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'Dependable Seeds'

For 1943

MAR 30 1943

U. S. Department of Agriculture

6209



AQUILEGIA, Long Spurred Hybrids See page 7

CAMPBELL
SEED STORE

137 West Colorado Street
PASADENA, CALIFORNIA



SUPER MAJESTIC SNAPDRAGONS

For winter and spring gardens—superb. For a complete list of tall, medium and dwarf, see page 7.



PETUNIA, BETSY ROSS

Dwarf variety with flowers large for the plant. See page 22 for others. Pkt. 25c.



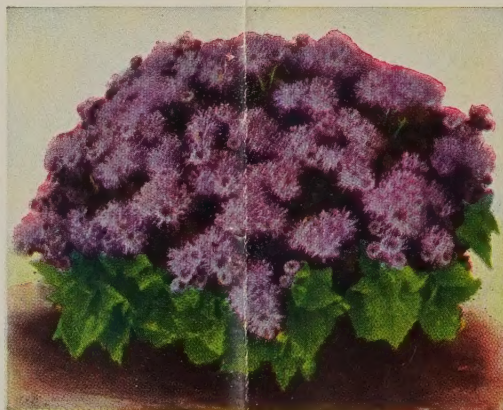
PETUNIA, THEODOSIA. See page 22.

One of the beautiful ruffled giants, lovely and colorful. Pkt. 25c.



HYBRID CALIFORNIA POPPY

See page 28.
Showiest of native flowers. Pkt. 10c.



AGERATUM MIDGET BLUE. Pkt. 15c.

A delightful edging plant. See page 6.



ANNUAL PHLOX DRUMMONDI

See page 22.
Neat and colorful. Pkt. 10c.

Gay Flowers Make Colorful Gardens

Here Are a Few Suggestions of the of the Most Popular and Easily Grown Varieties



ZINNIA, ORIOLE. Pkt. 15c.
See page 27.



CALENDULA, CAMPFIRE
IMPROVED. See page 9.
Pkt. 10c.



SALPIGLOSSIS. See page 24.
A showy plant with unusual form, color and texture.

Our 1943 Catalog

In this catalog we have combined several features which we are sure will be very helpful in your gardening pursuits.

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DELPHINIUM PACIFIC HYBRIDS

Comes in several color series. For complete list, see page 13.





Petunia Igloo
All-America Bronze Medal Winner, 1943



Petunia Giants of California
Glamour



Cosmos Yellow Flare

New Flowers for Your 1943 Garden

ASTER New Upright Rainbow

New type of the always popular single Rainbow Aster, blooming early with a profusion of beautiful, long-stemmed flowers. Grows upright for cutting. The broad-petaled blossoms come in bright pink, rose, lavender, blue and purple, quite even in height and blooming for a long time. Pkt. 15c.

ASTER Princess

The Princess Asters have a full deep crested center, surrounded by several rows of dainty plumelike guard petals. This is a very attractive new cutting strain of early wilt-resistant Aster, branching and bearing quantities of flowers on strong stems. **Princess Anne** has a dainty peach blossom coloring. **Princess Bonnie** is soft salmon rose with a rich golden center. **Princess Marsha** is a striking cinnabar scarlet. Pkt. 20c.

BEGONIA Masterpiece

The glowing light pink and glossy green foliage of Masterpiece will delight all who need many shade plants in their gardens. This fibrous rooted Begonia is of the large-flowered, medium tall type, so satisfactory for shady beds and potting, beautiful the year around in mild climate gardens. Masterpiece is a fine addition to the Christmas Cheer group. Pkt. 35c.

COSMOS Sensation Dazzler. Honorable Mention A.A.S. '43.

Always the favorite Cosmos for cutting, the Sensation type is fast superseding other Cosmos strains for all-around use. Dazzler, with its luscious shade of rich deep velvety maroon, is immense, 4 to 5 inches in diameter, the broad heavy petals slightly overlapping. The flowers are produced freely on strong 3 to 4 ft. plants, very showy in the garden. Pkt. 15c.

CLEOME Pink Queen.

Silver Medal A.A.S. '42.

A tall attractive border subject, Cleome Pink Queen has huge heads of delightful true pink, with no trace of magenta. It reaches a height of 4 feet. Blooming from June till frost, and unaffected by disease or pests, it is a most desirable flower for bold clumps of color in background planting. Pkt. 20c.



Nierembergia Purple Robe

COSMOS Yellow Flare. Silver Medal A.A.S. '42.

There has been much demand for a bright, clear yellow Cosmos, such as Yellow Flare. The single flowers are 2 to 2½ inches across, produced in masses on attractive 3 foot plants. Yellow Flare is colorful in the garden and freshly glowing in flower arrangements. Pkt. 20c.

LARKSPUR Super Majestic White.

Newest addition to this lovely, 5 foot fully double strain. Large florets of pure glistening white are closely packed on long graceful spikes. The vigorous growth and abundance of bloom make this new Larkspur valuable to Florists and Home Gardeners in all parts of the country. Pkt. 15c.

MARIGOLD Butterball. Bronze Medal A.A.S. '42.

Soft butter yellow, lightly tipped with Maroon on the center petals, Butterball is an exquisite little jewel-like Marigold of the Dwarf French Harmony group, ideal for outlining planting in a border. The 6 to 8 inch mound-like plants are literally covered with 2 inch blooms of unusual yellow. Very early flowering, Butterball produces a blanket of color for many weeks. Pkt. 15c.

MARIGOLD Sunkist. Silver Medal A.A.S. '43.

Sun kissed and beauty laden, the latest addition to the Harmony type Marigold, Sunkist is delightful. Rich golden orange 2 inch blooms, with crested centers, cover the compact 6 to 8 inch plants. Early and free blooming, Sunkist adds dazzling color to the border, garden bed, window box, or flower pot. It is striking combined with Butterball. Pkt. 25c.

MARIGOLD Yellowstone. Honorable Mention A.A.S. '42.

A Mission Giant, Yellowstone is a bright, rich, clear yellow counterpart of the popular Goldsmith. Its showy 2½ inch flowers grace large luxurious plants, 3 to 5 feet tall. The very attractive flowers are of the double incurved Chrysanthemum form, blooming late and lasting till frost. Pkt., 15c.

MORNING GLORY Pearly Gates.

Silver Medal A.A.S. '42.

Highest point winner in the 1942 A. A. S., Pearly Gates is a big satiny white Morning Glory, with a creamy shading in the throat. It is a sport of the lovely Heavenly Blue very similar in size, vigor, foliage, and form of bloom. Plant it with Scarlett O'Hara and Heavenly Blue for a red, white and blue effect. Pkt. 20c.

Campbell's All-America and Selected Novelty Flower Seeds

ALL-AMERICA SELECTIONS

When a novelty flower is introduced under the title, "All America Selections", it has been given a coveted award for worthiness. This flower variety, in order to merit this distinction, has been tested in all the sixteen testing grounds in different climatic zones of the United States, and one in Canada. Since only competent observers are called on to test these plants, we can be sure their quality is judged by the high standards of this organization. We offer only those best suited to the amateur gardener. The other varieties listed, not under A. A. S. are those equally fine varieties, that were not entered in the competition by the originators.

NIEREMBERGIA Purple Robe. Bronze Medal A.A.S. '42.

This is like the pale lavender *N. hippomanica*, in its compact growth, but its flowers are of deep violet, unfading in the sun. Purple Robe blooms in 15 weeks from sowing, prefers sandy soil and full sun, a splendid bedding and rock garden subject. Pkt. 25c.

PETUNIA All Double America. Silver Medal A.A.S. '43.

America is the first all double Petunia to be produced in this country. The flowers are a soft pink, medium size, carnation type, produced abundantly on uniform, compact plants, from early summer to frost. America is charming in flower pots. Pkt. 50c.

PETUNIA Ruffled Glamour. Honorable Mention A.A.S. '42.

Glamorously lovely, this outstanding Giant of California Petunia is a favorite with all who have seen it. The 4 to 5 inch blooms are a luscious shade of salmon rose, delicately veined brown in the creamy, open, shallow throat. The satiny petals are fully ruffled and unusually dainty. Pkt. 25c.

PETUNIA Igloo. Bronze Medal '43.

Igloo, quaint as its name, is about the most uniform, recklessly blooming dwarf white Petunia so far developed. The plants grow evenly and compactly, 12 to 15 inches tall. The creamy white flowers with slightly deeper throats, cover the plants from early to late in the season; very effective in a border. Pkt. 25c.



Cosmos, Dazzler



Marigold, Sunkist



Petunia, Alldouble America

PRIMULA Sweetheart.

The individual florets are an inch in diameter, produced in many whorls on the heavy wiry stems. Exceptionally free blooming, with daintily colored blossoms nodding above robust rosettes of velvety leaves. Sweetheart is the first bi-color, bright salmon pink, bordered with a wide band of white softly flushed flesh pink. Every true gardener, who prides himself on growing the finest and newest creations, will consider Primula Giant Malacoides Sweetheart a must. Pkt. 50c.

PRIMULA Double Twinkles.

Exquisitely dainty in coloring. Twinkles is a very soft flesh pink, each petal accented with a picotee penciling of rich rose. The doubleness consists of a crested center of 2 or 3 extra rows of petals, appearing first as a tuft but later lying in double rows as the flowers are fully open. An excellent companion to deep rose Double Fairy Jewels, Twinkles is indeed a twinkling beauty to be added to the galaxy of garden stars. Pkt. 50c.

PHLOX Red Glory. Honorable Mention A.A.S. '42.

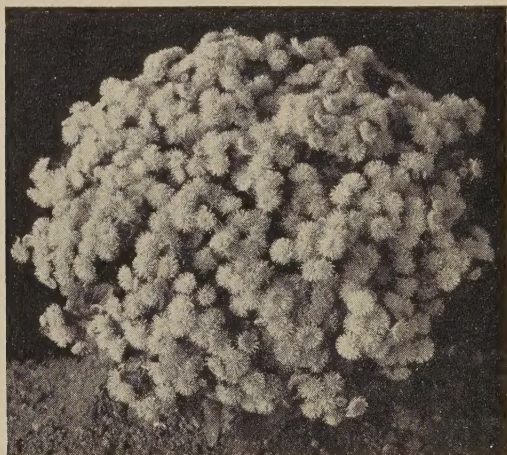
Here is the richest, brightest red we have ever seen in a Phlox, intensified by a large creamy-white eye. It is in the gigantea group, a free, continuous bloomer, tall, uniform and true. Favorably grown, the blossoms are as large as a half dollar. Pkt. 20c.

VERBENA Annapolis Blue.

This mid-blue hybrid grandiflora Verbena is a strong grower of spreading habit, with large trusses of 3 inch flowers standing semi-erect on 15 inch stems. It is the first true mid-blue Verbena, without a purple cast, splendid for landscape effects or cutting. Pkt. 15c.

ZINNIA Melody.

Gay, shaggy, and informal, Fantasy Zinnias have been steadily increasing in popularity. Melody brings a new color, not only to the Fantasy group, but to the Zinnias as a whole. A rich orchid lavender, the color is most intriguing, particularly in flower arrangements. The medium size flowers have finely curled and twisted petals, light and dainty in appearance. The 2½ foot plants are very free blooming throughout the summer months. Pkt. 20c.



Ageratum Midget Blue

CAMPBELL'S DEPENDABLE FLOWERS

In the brief descriptions of flower seeds that follow we have compiled much information for most of them such as germination period, time best for sowing, duration of plants (whether perennial (Per.), plants growing and flowering for several years; biennial (Bien.), growing the first year to flower and die the second; and annual, assumed to be the duration if no other habit is indicated), and notes on culture. The colors found in each genus indicates the normal color range but need not infer that all these are available in separate colors.

ABRONIA. See page 28.

ACHILLEA, Yarrow. Per. a-kill'-ee-ah.

White, yellow, and rose-red, small double flowers in clusters, for beds and bouquets; 2 feet; sow March to July. Germination period 14 days. **Parmica**, The Pearl, white; **Kelwayi Rosea**, rose-red. Pkts. 10c.

Filipendula, **Parker's Yellow**, 4 feet. Pkt. 15c.

ACONITUM napellus, Monk's Hood. Per. ak-oh-ny'-tum.

Dark blue flowers in delphinium-like spikes; 3 to 5 feet tall; sow March to July. Germination period from 1 to 6 months. 1/16 oz. 25c; Pkt. 15c.

ACROCLINIUM roseum hybridum. ak-roh-klin'-ee-um.

Pink and white, double, everlasting flowers; often bloom in 8 weeks; 1½ feet high; sow November to March. Germination period 2 to 3 weeks. **New Sensation Giants**, with richer colors and larger flowers; splendid for cut flowers, used either fresh or dried. ¼-oz., 40c; Pkt. 10c.

ADONIS autumnalis, Red Chamomile. a-don'-is.

Deep crimson flowers; feathery foliage; 1½ feet; sow Jan. to May. ¼-oz. 30c; Pkt. 10c.

AGATHEA coelestis, Blue Daisy. Per. ag-a-thee'-a.

Clear blue with yellow disk; splendid for small bouquets; good border or low hedge; 1 to 2 feet high; sow March to Aug. ¼ oz. 25c; Pkt. 10c.

AGERATUM mexicanum, Floss Flower. a-ger-ay'-tum.

Blue feathery flowers in clusters; very free-blooming all summer and fall; sow February to June. Germination period 14 days.

Midget Blue, 3 inches; **NEW**. Pkt. 15c.

Blue Ball Improved, 6 inches. Pkt. 10c.

Fairy Pink, rose-pink, 4 inches. Pkt. 15c.

White, 6 inches. Pkt. 10c.

AGROSTEMMA coronaria, Rose Campion. Per.

a-gross'-stem-ma.

Blood red flowers, with silvery foliage; for beds, or cutting; 2 feet; sow March to September. Germination period 10 to 14 days. ¼-oz. 30c; Pkt. 10c.

CAMPBELL'S DEPENDABLE SEEDS

Since 1907 Campbell's Seeds have been collected from the best possible sources of the world, rare-plant specialists, foreign companies old enough to be traditions, and the wide, sunny valleys of California. They have been growing their own reputations in gardens all over the United States. Let them grow a reputation for You and Your Garden.

All seeds and books sent postpaid; prices of roots and plants do not include postage. All prices subject to change without notice.

Directions and advice are part of our service. Call on us when you want to hire a gardener.

Ask for our special Sweet Pea Circular and our Bulb List, both ready by August first.

Should you not find the certain variety of seed you want in this catalog, ask us for it. We are in touch with the leading growers in this country and can obtain kinds not in stock in from 3 to 10 days, if they are available.

ALONSOA, Mask Flower. a-lon-so'-a.

Bright orange-red, or delicate pink, flowers in racemes; dark green foliage; 1½ feet high; sow Nov. to April.

Mutisii, soft salmony pink; lovely.

Warszewiczii, bright orange-scarlet. Pkt. 10c.

ALYSSUM. Sweet. a-liss'-sum.

White, lilac, cream fragrant heads of tiny flowers; fine for edgings, beds, or ground cover; sow any time. Germination period 10 to 20 days.

Carpet of Snow, spreading white; 3 inches. Oz. \$1.00; ½-oz. 55c; Pkt. 10c.

Lilac Queen, lavender; 6 inches. Oz. 80c; ½-oz. 45c; Pkt. 10c.

Little Gem, white; 6 inches. Oz. 80c; ½-oz. 45c; Pkt. 10c.

Cream Yellow; 6 inches. Oz. 85c; ½-oz. 45c; Pkt. 10c.

Maritimum, very fragrant white; 1 foot. Oz. 45c; ½-oz. 30c; Pkt. 10c.

Violet Queen, new deep bright violet. 4 inches. Oz. \$1.00; ½-oz. 85c; ¼-oz. 45c; Pkt. 15c.

ALYSSUM saxatile. Per.

Yellow flowers in masses; 1 foot; fine for borders; sow March to July for late spring bloom.

Gold Dust, bright golden yellow. ¼-oz. 40c; Pkt. 10c.

Citrinum, sulphureum; pale yellow. Pkt. 15c.

AMARANTHUS. am-a-ranth'-us.

Showy summer bedding annuals; prefer lime soil.

COLORED FOLIAGE

Molten Fire, fiery crimson. 4 ft. Pkt. 10c.

Salicifolius, Fountain Plant; bright red-and-gold "shredded" foliage. Pkt. 10c.

DROOPING RED TASSELS: Caudatus, Love-Lies-Bleeding.

All, about 3 feet; sow March to June. Germination period 5 to 10 days. Pkt. 10c. **Tricolor**, Joseph's Coat. Pkt. 10c.



New Hybrid
Acroclinium



Blood-Red
Agrostemma



Everblooming
Blue Agathea

ANAGALLIS grandiflora. a-na-gal'-lis.

Vivid blue, brick-red, lavender; for sunny rockeries, low beds and borders; 8 inches; sow March to June. Germination period 3 weeks. **Blue, Red, and Mixed.** 1/8-oz. 25c; Pkt. 10c.

ANCHUSA capensis, Blue Bird. an-choo'-sa.

Deep blue, Forget-me-not-like flowers, for sun; 2 feet; sow October to April. 1/4-oz. 30c; Pkt. 10c.

ANCHUSA italica. Per.

Large Forget-me-not-like flowers; 3 to 5 feet tall; sow March to July. Germination period 2 to 3 weeks.

Gentian Blue. Pkt. 10c.

Lissadel. Bright blue. Pkt. 10c.

ANTHEMIS tinctoria Kelwayi. Per. an'-them-is.

Lemon-yellow daisies; feathery foliage; 3 feet; sown November to April, blooms first season. Germination period 2 weeks. 1/8-oz. 25c; Pkt. 10c.

ANTIRRHINUM, Snapdragon. an-tir-ry'-num.

Rich colors in a wide range, with a long blooming season, make this one of the most popular as well as one of the best bedding and cutting annuals; sow July to April. Germination period 10 to 15 days.

Rust-resistant varieties now equal the old in color and form, and are immune, or very resistant, to rust. Unless otherwise noted, all varieties listed are **Rust-resistant.**

MAXIMUM, large-flowered and tall; 3 to 4 ft.:

Alaska, finest white.

Apple Blossom, pink with white tube.

Campfire, pure luminous scarlet.

Canary Bird, clear rich yellow.

Copper Shades, velvety orange and old gold.

Copper King, deep bronzy copper.

Paradise Rose, rose pink.

Crimson, deep velvety red.

Maximum Mixed. 1/16 oz. 30c; Pkt. 10c.

Separate colors, Pkts. 15c; 3 for 35c.

SUPER MAJESTIC. New group, with extra-large flowers on plants intermediate in height. The long flower-spikes give the effect of somewhat greater height than the medium group:

Autumn Glow, old rose suffused amber.

Buttercup, rich yellow.

Dainty, light pink.

Harmony, terra cotta and yellow, tinted pink.

Red Rocket, bright red.

Reveille, pale golden yellow.

Rose Sensation, best salmon-tinted rose-pink.

Royal Crimson, garnet.

Tangerine, golden orange shades.

Super Majestic Mixed. 1/16-oz. 50c; Pkt. 15c. Separate colors. Pkt. 15c; 3 for 35c.

MEDIUM, the finest height for bedding; 1 1/2 to 2 1/2 feet.

Amber-and-Gold, new. Terra-cotta.

Apple Blossom, new. Light rose-pink.

DuBarry, new. Brilliant coral salmon.

Old Gold, copper and bronze shades.



Snapdragon, Rust Resistant

Orange, apricot and orange shades.

Red Boy, clear deep scarlet.

Yellow Gem, clear yellow.

New White, pure white.

Mixed, all colors. 1/16-oz. 25c; Pkt. 10c.

DWARF.

Magic Carpet. New, dwarf mixture, not rust-resistant. Pkt. 15c.

Separate colors. Pkts. 15c; 3 for 35c.

AQUILEGIA, Columbine. Per. a-kwi-lee'-ji-a.

Yellow, pink, blue, orange, and red large airy flowers on graceful plants in spring and early summer; stand sun or partial shade; 2 to 3 feet; sown April to August will bloom next spring. Germination period 20 to 60 days.

Alpina, dwarf blue, 18 inches. 1/16-oz. 35c; Pkt. 10c.

Chrysantha Yellow. 1/16-oz. 35c; Pkt. 10c.

Clematiflora. New, spurless variety, in clear pastel colors, with large open flowers like Clematis. Pkt. 35c.

Long-spurred varieties:

Blue Shades, extra selected.

Crimson Star, deep red, starred white.

Orange and Scarlet Shades.

Snow Queen, finest white.

Rose Queen, pink and rose.

Mrs. Scott Elliott's Varieties, fine color range.

Hybrids Mixed, contain all colors and shades.

All above 1/32-oz. 50c; Pkt. 15c.

ARABIS alpina, Rock Cress. Per. ar'-ra-bis.

White, fine flowers, forming blanket of bloom in spring in sun, on poor soil; 8 inches; sow any time. Germination period 3 weeks. Pkt. 10c.

ARCTOTIS, African Daisies. Per. ark-toh'-tis.

Large daisies on long stems, for cutting and beds; fine in extra-dry sunny places; 1 1/2 feet; sow October to April for bloom first summer.

Grandis, pale lilac. Pkt. 10c.

New Hybrids, containing many shades of yellow, orange, bronze, red, and lavender, almost constantly in bloom. Large Pkt. 35c; small Pkt. 15c.



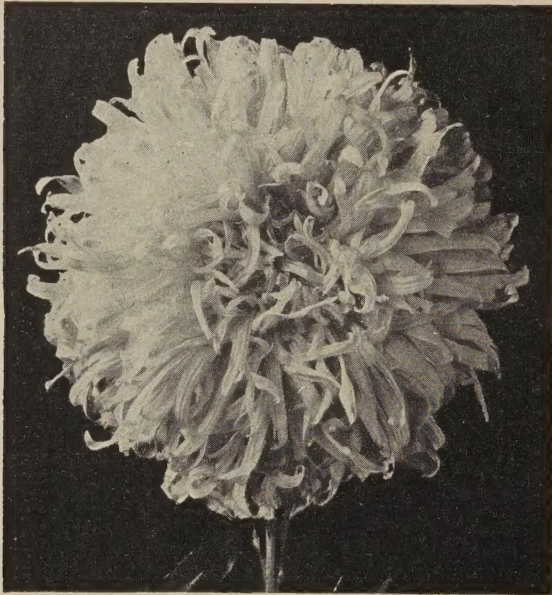
Arctotis grandis



Amaranthus salicifolius



Aquilegia longissima



Aster, Super Giant, Los Angeles

ARMERIA formosa, Sea Pink; Thrift. Per. ar-meer'-i-a.

Rose pink flower-clusters above grassy foliage; for cutting and borders; sow January to July. Germination period 2 weeks. **Large-flowered Hybrids**, with large heads on 15-inch stems. Pkt. 15c.

ARTEMISIA annua. ar-tem-miz'-i-a.

Decorative, feathery silver-gray foliage; 5 feet; sow March to June. Pkt. 10c.

ASPARAGUS Fern. Per. as-pa'-ra-gus.

Sprengeri, with red berries, for pots and hanging baskets. **Plumosus nanus**, feathery, fern-like foliage for bouquets. Sow March to September. Germination period 15 to 30 days. 100 seeds, 50c; Pkt. 10c.

Aster

One of the best summer bedding and cutting annuals, sow all varieties February to June; Single Rainbow as late as August. Germination period 1 to 2 weeks. Mixtures listed below usually contain pink, rose, lavender, purple, crimson, and white.

EARLY GIANT, new wilt-resistant group, similar in flower to the California Giants, but somewhat shorter in height and not so spreading.

Light Blue. Peachblossom, light pink.

Rose Marie, rich rose-pink. 1/32-oz. 35c; Pkts. 20c.

SUPER GIANT TYPE, new, greatly improved California Giants, earlier and larger-flowered. **El Monte**, giant crimson-red. **Los Angeles**, giant clear pink. 1/16-oz. 40c; Pkt. 15c.

GOLDEN SHEAF, yellow, new, large-centered Aurora-type. Wilt-resistant. 1/16 oz. 35c; Pkt. 15c.

COMET OR CREGO, large, curly-petalled; medium-length stems. 2½ feet. **Lavender**, azure; **Purple**; **Shell Pink**; **White**. All Colors Mixed, Wilt-resistant. ¼-oz. 35c; Pkts. 10c.

HEART OF FRANCE, rich red, medium-sized flowers. Wilt-resistant. 1/16-oz. 35c; Pkt. 15c.

CALIFORNIA GIANTS, long-stemmed, double, curly-petalled; 2½ feet. **Rose**, **September Beauty** shell pink, charming; 2½ feet. **Rose**, **Peachblossom**, **Light Blue**, **Purple**, **White**, and **Mixed**. 1/16-oz. 35c; Pkt. 10c.

EARLY BEAUTY, long-stemmed, double, incurve. **Light Blue**, **Purple**, **Crimson**, **White**, and **Mixed**. Wilt-resistant. 1/16-oz. 35c; Pkts. 15c.

GIANT CALIFORNIA SUNSHINE, new, large, single, anemone-centered; 2½ feet; Mixed. Pkt. 15c.

SINGLE RAINBOW, very floriferous for bedding and cutting; 2 feet! **Pink**, **Rose**, **Light Blue**, **Purple**, and **Mixed**. ¼-oz. 45c; Pkt. 10c.

QUILLED POMPON MIXED. 1/16-oz. 35c; Pkt. 15c.

ASTER, Michaelmas Daisy. Per.

Blue, lavender, and pink single asters in clusters for late fall beds; 2 feet; sown February to April, bloom same year. Germination period, 2 weeks. **Mixed**. Pkt. 15c.

AUBRIETA, Rainbow Rock Cress. Per. au-bre'-tah.

Lavender, pink, and purple flowers, resembling Virginian Stock, for sunny rockery or border; 6 inches; sow January to May. Germination period 25 days. **Deltoidea**, blue-lilac. **Large-flowering Hybrids Mixed**. Pkts. 15c.

AUSTRALIAN PEA VINE, Dolichos lignosus. Per.

Rose-pink, small, pea-shaped flowers on rapid evergreen vine; sow November to March. Germination period, 12 days. Pkt. 10c.

BABY BLUE EYES. See *Nemophila*, page 29.

BABY'S BREATH. See *Gypsophila*.

BACHELOR'S BUTTON. See *Centaurea cyanus*.

BALLOON VINE, Cardiospermum. Vine.

White, small flowers; inflated seed-pods resemble balloons; rapid climber; sow March to May. Germination period 14 to 40 days. Pkt. 10c.

BALSAM VINES, Momordica. Vine.

Yellow flowers on good foliage vines, with showy fruits; sow March to May. Germination period 30 days. **Apple**, scarlet fruit; **Pear**, orange fruit. Pkt. 10c.

BALSAM, Lady's Slipper. ball'-sum.

Pink, salmon, red, white, double camellia-like flowers on bushy plants, thrives in hot sun and rich soil, copiously watered; 18 inch; sow March to May. Germination period 10 to 14 days.

Giant Camellia-flowered. Mixed. ¼-oz. 35c; Pkt. 10c.

Bush Flowered, Torch. Brilliant colors.

BARTONIA, Blazing Star. See page 28.

BEANS. See *Dolichos*, and *Scarlet Runner*.

BEGONIA. Per. bee-gohn'-i-a.

Useful bedding and pot plants, for full or partial shade; sow January to May, on surface of fibrous loam, fine sand and leaf mold, preferably under glass, and watering from below.

FIBROUS-ROOTED:

Carmen, salmon-rose, bronze foliage.

Christmas Cheer, darkest scarlet; large.

Christmas Pink, large rosy pink.

Indian Maid, scarlet, very dark foliage.

Luminosa, scarlet, brown foliage.

Masterpiece, pale pink, green foliage.

Prima Donna, rose-pink, green foliage.

White Pearl, clear white. Pkts. 25c.

TUBEROUS-ROOTED:

Single Mixed.

Single Frilled Mixed.

Giant Double Mixed. Pkts. 50c; 3 for \$1.25.



Beauty

California Giant
Sunshine
ASTERS

Crego

BELLIS perennis, English Daisy. Per. bell'-lis.

Pink, red, and white double flowers for edgings and low beds in sun or shade; 6 inches; sow August to April (blooms in 5 months). Germination period 10 to 14 days. Monstrosa (large-flowered) sorts: **Light Pink; Deep Rose; Etna**, quilled red; **White; Mixed**. Large Pkts. 25c; Small Pkts. 10c.

BOLTONIA latisquama. Per. bole-tone'-i-a.

Light pink, aster-like flowers in midsummer, fine for cutting; 4 feet; sow, February to October. Germination period 20 days. Pkt. 10c.

BRACHYCOME iberidifolia, Swan River Daisy. bra-kick'-o-me.

Blue, pink, and white flowers like small Cinerarias, for low winter and spring beds, ground-cover, and cutting; 10 inches; sow Nov. to May. Germination period 10 days. **Blue; Pink; White; Mixed**. Pkt. 10c.

BROWALLIA. brow-wall'-i-a.

Pure blue flowers in all seasons, and in sun or shade; prefers rich soil; 1 foot; sow any time. Germination period 1 month.

Alba, white.

Speciosa Major, large-flowered, bright blue pot variety. Pkt. 25c.

CABBAGE, Flowering; Ornamental Kale.

The foliage, as it becomes well-developed, turns green-and-white, or shades of purple, etc., usually along the curly or fringed edges, so that the entire loose head resembles a huge flower, striking in flower arrangements. Sow March to September. Large Pkt. 35c; Small Pkt. 15c.

CACTUS. Per.

Drought-resisting, more or less spiny; sow in small seed pans indoors, or when weather is warm outdoors.

All Kinds Mixed. 50 Seeds, 35c; 15 Seeds, 15c.

CALCEOLARIA. Per. kal-see-oh-lay'-ri-a.

Yellow, orange and red, spotted purse-shaped flowers in clusters, for pots and shady beds; about 1 foot; sow August to December.

Hybrida Grandiflora, large-flowered, tender pot strain.

Rugosa Hybrida, Flower Cloud Mixed, hardy strain with medium-sized flowers, for outdoor bedding in shade. Pkt. 50c.

Calendula

CALENDULA, Winter Marigold. ka-len'-jew-la.

Shades and combinations of orange, yellow, and cream, double flowers, ideal for winter and spring beds and for cutting; 1 to 2 feet; sow July to March. Germination period 10 to 14 days.

FLAT-FLOWER VARIETIES:

Ball's Apricot, soft apricot-orange.

Ball's Gold, large deep yellow.

Ball's White, cream, picotee apricot.

Campfire, large dark orange.

Masterpiece, largest long-stemmed orange.

Lemon Queen, clear yellow.

Meteor, cream, striped orange.

Orange Fantasy, coppery-orange; petals edged red, center crested.

Orange King Improved, standard rich orange.



Golden Crown
Calliopsis



Brachycome
iberidifolia



Calendula Chrysanth



Calceolaria, The "Pocketbook Flower"

Art Shades Mixed, new, pleasing mixture, many with picotee edges.

All Varieties Mixed.

All, ½-oz. 75c; ¼-oz. 40c; Pkts. 10c.

LOOSE-PETALLED VARIETIES:

Chrysanth, Sunshine, large, semi-double buttercup-yellow.

Chrysanth Twilight, cream-yellow.

Lemon Shaggy.

Orange Sunshine, like Chrysanth except color.

Radio, quilled deep orange.

X-ray Twins, orange fluffy and glowing gold, attractive and interesting.

All, ½-oz. 50c; ¼-oz. 30c; Pkts. 10c.

Yellow Colossal, new, improved Chrysanth; larger, more double. ½-oz. 30c; Pkt. 15c.

Trial Ground Blend, new, selected for resistance to heat, and long blooming season, light and pastel shades, shaggy form. ½-oz. 75c; ¼-oz. 40c; Pkts. 10c.

CALIFORNIA POPPY, Eschscholtzia. See Wild Flowers, p. 28.

CALLIOPSIS, Annual Coreopsis. kal-lee-op'-sis.

Bright yellow, yellow-and-red, and red daisy flowers, showy in summer beds and as cutflowers; sow March to July. Germination period 10 to 14 days.

DWARF VARIETIES:

Golden Crown, 1 foot, showy large deep yellow with small red center-zone.

Tiger Star, 6 in., dark red narrow petals.

Dwarf Mixed, 6 in., all shades. ¼-oz. 40c; Pkts. 10c.

TALL VARIETIES MIXED, 3 feet. ½-oz. 35c; Pkt. 10c.

CAMPANULA, Perennial Varieties. Per. kam-pan'-you-la.

Blue, white, bell-shaped flowers; sow October to March.

Carpatia, **Hare Bell**, blue and white, 10 inches.

Fragilis, large light blue, trailing, 6 inches.

Persicifolia, **Peach Bell**; mixed, 2-3 feet.

Pyramidalis, **Chimney Bell**, mixed, 5-6 feet tall.

Rotundifolia (Blue Bells of Scotland), blue, 1 foot.

Trachelium, **Coventry Bells**, heads of crowded, hanging lavender bells. 2-3 ft., blooms first year. Pkts. 15c; 3 for 40c.



Carnations

CAMPANULA medium, Canterbury Bells.

Blue, pink and white, large bells on tall spikes. Usual type biennial, flowering second season; annual type flowers in 5 to 7 months from seed. Sow any time. Germination 10-15 days.

BIENNIAL CANTERBURY BELLS, 3 ft.

Calycanthemum, Cup and Saucer type. Flowers have a saucer-like development at base. Very lovely.

Rose Pink. **Light Blue.**
White. **Dark Blue.**

Mixed. Good color assortment. Pkts. 10c.

Single type, Mixed only. 1/16-oz. 30c; Pkt. 10c.

Double Mixed. Flowers fully double. Pkt. 10c.

ANNUAL CANTERBURY BELLS, 3 ft.

Liberty Bell. Deep blue.

Wedding Bell. Pure white.

Angelus Bell. Deep rose pink **Mixed.** Pkts. 15c; 3 for 35c.

CANDYTUFT.

White, pink, lavender, and red flower-heads on bushy plants for borders, beds, and cutting; 1 foot; sow November to May. Germination period 10 to 14 days.

UMBELLATA VARIETIES:

Pink, Lavender, Rose, Cardinal, White, and Mixed.

1/2-oz. 35c; Pkts. 10c.

Dwarf Mixed. Nana compacta, 6 in. 1/4-oz. 30c; Pkt. 10c.

HYACINTH-FLOWERED VARIETIES:

Giant White, large spikes, 1 foot.

Miniature Gem, white, 4 in. 1/4-oz. 45c; Pkt. 10c.

CANDYTUFT. Per. See Iberis.

CANNA. Per.

Vivid pinks, yellows, oranges and reds, useful for foliage and flower mass effect; flower first year from seed, which soak; 3 feet; sow January to May. Germination period 2 weeks. **Crozy's Hybrids Mixed.** Pkt. 15c.

CARDINAL CLIMBER, *Ipomoea quamoclit hybrida*.

Vine.

Fiery-red tubular flowers on rapid vine; sow February to May. Germination period 10 to 15 days. Pkt. 15c.

Carnations

CARNATION, *Dianthus Caryophyllus*. Per.

Pink, rose, red, white yellow; 1 1/2 feet; sow Oct. to April. Germination period 10 days.

Allwood's Hybrid Perpetual Mixture, large flowers on long stems in a wonderful range of picotees, flakes, stripes, smokes, and self-colors. We are listing this strain in expectation of shipment from the originators in England. Pkt. 35c.

Chabaud's Giant Pink, Rose, Scarlet, Crimson, Yellow, White, and Mixed, bloom in 6 months from seed. Pkts. 15c; 3 for 35c.

Engelmann's Giant English Strain, huge flowers in a wide range of unusual colors. Pkt. 35c.

Perpetual Giants, extra large blooms, very double, clove scented. Choice Mixed. Pkt. 25c.

CASTOR OIL BEAN, *Ricinus*. Per. ris'-i-nus.

Very rapid-growing foliage plant; sow January to April. Germination period 2 weeks. **Sanguineus** (6 feet), green, red-veined leaves, red stalks on fruit; **Zanzibariensis** (12 feet), green and bronze leaves. Oz. 30c; Pkts. 10c.

CELOSIA, Cockscomb. sell-oh'-si-a.

Crimson, rose, and yellow dense heads and plumes; sow March to May. Germination period 7 to 10 days.

Cristata, Cockscomb type: **Dwarf**, 1 foot **Crimson**; and **Tall**, 3 foot. **Mixed**.

Plumosa, Feathered type, 2 1/2 feet: **Crimson**; **Yellow**; **Pride of Castle Gould Mixed**.

Childsii, Chinese Woolflower; 2 feet: **Mixed**. Pkts. 10c.

CENTAUREA cyanus, Cornflower, Bachelor's Button.

Blue, rose, red, and white flowers for beds and bouquets; sow November to May. Germination period 10 to 15 days.

DOUBLE, re-selected **Florist Strains** (3 feet):

Blue Boy, pure deep blue.

Snow Man, white.

Pinkie, rose pink.

Red Boy, ruby red.

Mixed. 1/2-oz. 45c; Pkts. 10c.

DWARF bedding type, 1 foot:

Jubilee Gem, deep blue. Very useful for both bedding and cutting. 1/8-oz. 30c; Pkt. 15c.

CENTAUREA imperialis, Sweet Sultan.

Pink, lavender, purple, white, and yellow fragrant flowers like large, soft thistles; 2 1/2 feet; sow November to May.

Germination period 2 weeks. **Amaranth Red, Lavender, Pink, White, Yellow** (*Suaveolens*, not in mixture), and **Mixed**.

1/4-oz. 30c; Pkts. 10c.

CENTAUREA americana, Basket Flower.

Large feathery lilac flowers somewhat resembling an interwoven basket, on a handsome annual plant; 4 feet; sow October to May. Germination period 2 weeks. Pkt. 10c.

CENTAUREA. See also Dusty Miller.

CERASTIUM tomentosum, Snow in Summer. Per.

se-ras'-tee-um.

White flowers and silvery foliage for sunny edgings and rockery; 8 inches; sow January to June. 1/8-oz. 25c; Pkt. 10c.



Annual
Canterbury Bells



Centaurea
Americana



Giant Hyacinth
Flowered Candytuft

CHIERANTHUS, Siberian Wallflower. ky-ran'-thus.

Dazzling, bright orange or golden yellow flowers, produced freely from early spring to summer; 1 foot; sow September to March. Germination period 2 weeks.

Vivid Orange; Golden Bedder, deep yellow. ¼-oz. 30c; Pkts. 10c.

CHRYSANTHEMUM. Per. See also *Matricaria*, *Pyrethrum*, and *Shasta Daisy*. kris-an'-the-mum.

Korean Hybrids, early-flowering, bushy type for garden decoration. Single and semi-double. Mixed. Pkt. 25c.

CHRYSANTHEMUM, Annual, Painted Daisies.

Yellow, white, pink and red, large daisy cut-flowers; 2 feet; sow October to April. Germination period 10 to 18 days.

Nivelli, Annual Marguerite, free-blooming tall, long-stemmed yellow. ½-oz. 35c; Pkts. 10c.

Northern Star, white, yellow zone.

Sultan, copper-red with yellow zone.

Tricolor Mixed.

CINERARIA hybrida. sin-e-rar'-ia.

Unusually rich colors in the showiest early spring bedding plant for shade, and pots; sow June to October. Germination period 8 to 10 days.

Grandiflora Semi-Dwarf, 16 inches: **Light Azure Blue; Blue Shades; Old Rose; Scarlet**. Pkts. 25c.

Campbell's California Giant Strain, Mixed, notable for immense flowers and pleasing colors. Pkt. 50c.

Cremer's Prize Strain, semi-dwarf, with medium-sized flowers, but producing the largest heads of any type. Pkt. 50c.

Howard & Smith's Prize Strain. Mixed. Pkt. 50c.

Multiflora Nana, new dwarf (1 foot) type, with quantities of tiny flowers in all shades. Pkt. 25c.

CLARKIA. See *Wildflowers*, page 28.

CLEOME pungens, Giant Spider Plant. klee-o'-me.

Rose-pink, or yellow, curious but very showy flowers, each with 6 long stamens, on spreading plant in bloom all summer; 4 feet; sow January to April. **Rose; Lutea**, new golden yellow; **Purple; White**. Pkts. 15c.

COBOEA scandens, Cathedral Bells Vine. Vine. ko-bee'-a.

Violet-blue, large, bell-shaped flowers on very rapid, deep-green-leaved vine for sun or partial shade; sow seeds on edge, Feb. to May. Germination period 3 weeks. Pkts. 10c.

COCK'S COMB. See *Celosia*.

COIX lachrymae, Job's Tears. koh'-ix.

Interesting grass-like plant, grown for its smooth, hard, tear-shaped seeds, often used for beads; sow February to May, nicking seeds. Germination period 2 weeks. Oz. 40c; Pkt. 10c.

COLEUS. Per. ko'-lee-us.

Ornamental foliage plant for pots or outdoors, with large, vari-colored velvety leaves in partial or full shade; 1 to 2 feet; sow February to May. Germination period 10 to 15 days.

Rainbow. Rich colorings and markings.

Glory. Shades of bright pink, apricot, cream, and bronze. Pkts. 25c.



Wallflower

COLUMBINE. See *Aquilegia*.

CONEFLOWER. See *Rudbeckia*.

CONVOLVULUS, Annual. See *Morning Glories*.

CONVOLVULUS, Mauritanicus. Per. kon-voll'-view-lus.

Lavender-blue, large flowers on trailing rockery perennial all spring and summer; 6 inches; sow July to November. Pkt. 15c.

CORAL BELLS. See *Heuchera*.

COREOPSIS lanceolata grandiflora. Per. ko-ree-op'-sis.

See also *Calliopsis* and *Leptosyne*.

Chrome-yellow, large, glossy daisy flowers on long, graceful stems; 2 to 3 feet; seeds sown November to March bloom first season. Germination period 3 weeks.

Auriculata, yellow, small red center-zone.

Mayfield Giant, large-flowered single.

Double Sunburst, new large double yellow. Pkt. 10c.

CORN, Ornamental.

Squaw Corn. Vari-colored kernels and ears, useful for a Spanish effect in patio or sun-room, when dried and hung by their pulled-back husks.

Rainbow Corn. striped, colored foliage, small ears, dark colors. Sow April to June. ¼-lb. 25c; oz. 10c.

CORNFLOWER. See *Centaurea cyanus*.

CORNFLOWER ASTER. See *Stokesia*.

**LOW GROWING PLANTS RECOMMENDED FOR
EDGING THE FLOWER BORDER**

Sow in Spring

Ageratum
Aster
Begonia
Dianthus
Gazania
Gomphrena
Lobelia

Marigold
Nasturtium
Phlox
Petunia
Portulaca
Verbena
Zinnia

Sow in Fall

Myosotis
Nemesia
Nemophila
Pansy
Pyrethrum
Cupid Peas
Virginia Stock
Viola



Cobaea Scandens



Celosia plumosia



"Painted Daisies"
The Annual
Chrysanthemum



Cosmos, Sensation Mixed

COSMOS. koz'-mus.

Crimson, pink, and white daisy flowers for show and cut with light green, feathery foliage, thriving in poor or sandy soils; sow March to July. Germination period 10 to 14 days.

EARLY SORTS (3 feet; bloom June-August):

Sensation. New, with huge pink rose, and white flowers, on strong bushes in 10 weeks. **Pinkie**, rose-pink; **Purity**, white; **Mixed**.

Early Double Sensation. Fluted and crested.

Pink Lady, White Cloud, Mixed. Pkts. 15c.

Orange Flare. New early-flowering form of the Late Klondike Cosmos.

LATE SORTS (5 feet; bloom September and October):

Single Pink, White, Crimson, and Mixed.

Double Crested Mixed. Pkts. 10c, except double sorts, 15c.

CREPIS barbata. crep'-is.

Bright rose, semi-double, star-like daisies to cut or bed; 18 inches. sow January to May. $\frac{1}{8}$ -oz. 25c; Pkt. 10c.

CUPHEA Firefly. kew'-fee-a.

Fiery rose-red flowers freely produced on compact bushes, for bedding or for pots; 10 inches; sow March to June. A distinct new flower for your garden or patio. Pkt. 15c.

Cyclamen

CYCLAMEN persicum giganteum. Per. sy'-kla-men.

Salmon, pink, rose, red, lavender, white "shooting-star" flowers with beautiful foliage, for pots or outdoors in shade; 1 foot; sow any month but allow 18 months to flower; July to September best time for Christmas bloom. Germination period 3 to 4 weeks. Choice Mixed, 1c per seed.

Giant-flowered strain: **Rose-pink, Salmon, White, Red, and Mixed**, 5c per seed.

Double Mixed, 6c per seed.

CYNOGLOSSUM amabile, Chinese Forget-Me-Not.

sy-no-gloss'-um.

Pure blue and white, large forget-me-not-like flowers in sprays, good for cutting and bedding in sun; sow October to April. Germination period 10 days.

Clear Blue (2 feet). Pkt. 10c.

Mixed, new, includes white, and many shades of blue. Pkt. 15c.

Firmament, purest mid-blue, dwarf and bushy (15 inches). Pkt. 15c.

CYNOGLOSSUM linifolium, Omphalodes.

White forget-me-not-like flowers, with silvery foliage, for ground-cover or border in winter and spring; 6 in.; sow October to March. $\frac{1}{2}$ -oz. 30c; Pkt. 10c.

CYPRESS VINE, Ipomoea quamoclit. Vine.

Red and white star-shaped flowers on quick, twining vine with feathery foliage; sow February to May. Germination period 10 to 20 days. **Mixed**. Pkt. 10c.

DAHLIA. Per. dal'-ya.

Great variety of colors and types blooming profusely and forming tubers the first season; sow February to May. Germination period 10 days.

Campbell's Prize Mixed, from Cactus and Decorative, improved named sorts only. Pkt. 25c.

Unwin's Dwarf Hybrids. $1\frac{1}{2}$ feet, early flowering, semi-double. **Zulu Strain**, black-leaved, dwarf double hybrids, flowers mostly red shades, a few yellow, orange and lilac. Pkt. 25c. **Mixed**. Pkt. 25c.

Collarette Mixed. Large single flowers, with tuft of contrasting color about center. Pkt. 10c.

Pompon Mixed. Pkt. 15c.

Coltness Hybrids Improved, new and complete range of colors in this fine, single flowered, dwarf compact (1 foot) bedding Dahlia. $\frac{1}{8}$ -oz. 35c; Pkt. 15c.

DATURA, Angel's Trumpet. da-toor'-a.

White, yellow, and purple, large, showy trumpet flowers on handsome specimen plants, in bloom all summer; 3 feet; sow February to May. Germination period 2 to 3 weeks. **Double and Single Mixed**. Pkt. 10c.

DELPHINIUM Chinensis. dell-fin'-i-um. See also Larkspur.

Dwarf annual, with flowers very similar to perennial sorts, for low beds and edging; 1 foot; sow December to April. Germination period 2 weeks.

Blue Butterfly Improved, ultramarine blue.

Azure Fairy, clear light blue. $\frac{1}{8}$ -oz. 40c; Pkts. 10c.



Cosmos, Early Double Crested



Cypress Vine



Dahlia



Dianthus Splendens



Brilliant Dimorphotheca



Dianthus Cyclops

Delphinium

DELPHINIUM. Per.

Splendid, stately border and bedding plant and cutting flower; sow July to November for bloom in spring, or December to March for bloom that summer. Germination period 2 to 3 weeks.

Cultural Note: Delphinium seed germinates best as soon as ripe. We supply New Crop seed exclusively, after July 15th each year, so that late summer and fall sowing is recommended. Chill seed 48 hours in refrigerator. When set out, deep soil, well-drained and enriched with old manure is best. Feed a balanced plant food like Vigoro. Delphiniums thrive in sun, yet prefer a cool climate.

CUTFLOWER VARIETIES:

Cliveden Beauty, Improved Belladonna, light blue.
Bellamosum, dark blue. Pkts. 15c.

LARGE-FLOWERED, TALL BEDDING VARIETIES:

Blackmore & Langdon Hybrids, very finest strain, delicate shadings. Pkt. 35c.

Campbell's XXX Hybrids, with large flowers in all shades of blue and lavender-blue. Pkt. 15c.

Cardinale, native scarlet larkspur.

PACIFIC GIANTS (New) fully double, mildew-resistant strain, the finest obtainable.

Galahad Series, enormous clear white, individual flowers often 3 in. across.

Guinivere Series, pinkish lavender shades.

Round Table Series, originator's cross-pollinated seed, containing all the colors and shades ever obtained. Pkt. 50c.

Summer Skies Series, light blue, white bee.

All Shades Mixed. Pkts. 35c.

DIANTHUS, Annual Pinks. See also Sweet Wivelsfield.

Shades of red, pink, crimson and white; 1 foot; sow February to May. Germination period 5 to 10 days.

HEDEWIGI LACINIATUS (JAPANESE PINK) VARIETIES:

Crimson Belle, single crimson.

Salmon Queen, single salmon.

Snowdrift, double pure white.

Splendens, large deep red with white eye.

Mixed. ½-oz. 35c; Pkts. 10c.

CHINENSIS (CHINESE PINK) VARIETIES (flowers smaller, in clusters like Sweet William):

Double Mixed. Pkt. 10c.

DIANTHUS, Perennial Pinks. Per. dy-an'-thus.

Pink, rose, red, white; fragrant; sow February to May. Germination period 1 to 2 weeks.

PLUMARIUS (CLOVE PINK) VARIETIES; 1½ feet:

Cyclops Mixed. Large-eyed single flowers in rich colors—the best ever-blooming Pink.

Semperflorens Double Mixed. ¼-oz. 35c; Pkts. 10c.

ROCK-GARDEN SPECIES:

Allwoodii Alpinus, new, 4 to 6 inches, mixed colors. Pkt. 50c.

Caesius, Cheddar Pink, pink with tufty 3-inch foliage and 6-inch stems. Pkt. 10c.

Deltoides, Maiden Pink, rose, 8 inches. Pkt. 15c.

Loveliness, large mauve flowers with lacinated petals and delicious fragrance. Pkt. 25c.

Winteri, striking new pinks in pure colors, compact habit, very fragrant large flowers. Pkt. 25c.

Rock-Garden Rare Species Mixed, including 25 kinds. Pkt. 25c.

DIASCIA barbarae. dy-ass'-si-a.

Pure, soft salmon-rose flowers, each with two spurs, for rockery or pots; 1 foot; sow March to May. Pkt. 15c.

DICTAMNUS fraxinella, Gas Plant. dik-tam'-nus.

Pink and white flowers, good for borders; flowers give off a gas which may be ignited with a lighted match; 2½ feet; sow Feb. to Sept. Germination very slow and uneven. **Mixed**. Pkt. 15c.

DIDISCUS coeruleus, Blue Lace Flower. dy-dis'-cus.

Soft blue, tiny tubular flowers forming lacy heads on long stems for bouquets; 2½ feet; sow February to May. Germination period 2 weeks. ¼-oz. 35c; Pkt. 10c.



Pacific Hybrid Delphiniums

DIGITALIS, Foxglove. Bien. and Per. di-ji-tal'-is.

Pink, purple, white, large open-tubed flowers in tall, erect spikes; 4 feet; sow by April for certain flowers the following spring. Germination period 10 to 15 days.

EIENNIAL VARIETY:

Giant Shirley Hybrids Mixed. Pkt. 10c.

PERENNIAL VARIETIES:

Hybrids Lutzii, salmon shades.

Isabellina, buff and yellow. 5 feet. Pkts. 15c

DIMORPHOTHECA, African Daisy. dy-mor'-foth'-eka.

Orange, yellow, salmon, and white, large daisy flowers, unusually brilliant for bedding in all seasons; 1 foot; sow any time. Germination period 10 to 20 days.

Aurantiaea: Orange, Salmon Beauty; Golden West, yellow.

Single Hybrids Mixed. ¼-oz. 40c; Pkts. 10c. **Double Hybrids Mixed**, Pkt. 15c. **Glistening White**, Pkt. 15c.

DIMORPHOTHECA. Per.

Ecklonis. White, blue center, with mauve reverse, flowers 3 inches across; blooms through winter until summer; sow any time; 2 feet. Germination period 2 to 3 weeks. **Spectabilis**, similar to Ecklonis except for color, a vivid pink with a shining black center. Pkts. 15c.

DOLICHOS lablab, Hyacinth Bean. Vine. doll'-i-kos.

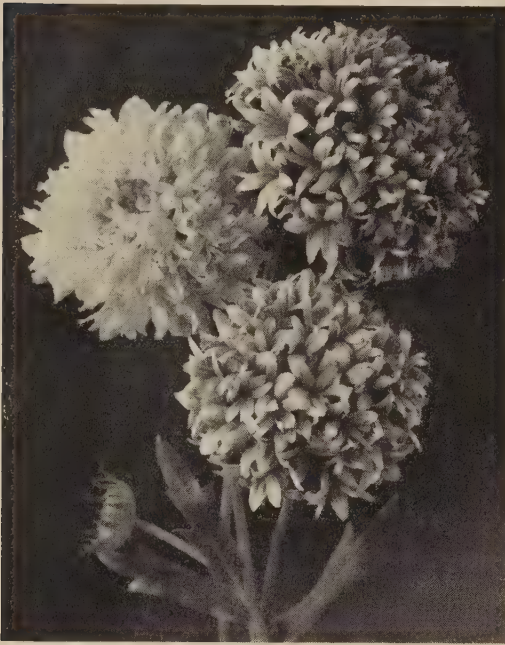
Rosy-purple pea flowers on quick vine, with showy purple pods; sow March to May. Germination period 10 days. Pkt. 10c.

DOLLAR PLANT. See Lunaria.

DUSTY MILLER, Centaurea sp. Per.

Candidissima; thick silvery-white foliage, 10 inches.

Gyrinocarpa; grey foliage, 20 inches; sow January to May. Germination period 2 to 4 weeks. Pkts. 10c.



Gaillardia, Double



Gerberas



Geum, Mrs. Bradshaw

Gaillardia

GAILLARDIA grandiflora. Per. gay-lar'-di-a.

Red and yellow, very large daisies, blooming all summer and fall; 3 feet; sow September to April.

Burgundy, deep all-red.

Dazzler, yellow with maroon center.

Goblin (dwarf; 1 foot), yellow, red border.

Portola Hybrids, semi-double orange-and-red.

Tangerine, unusual new shade; copper-orange. Pkts. 15c and 25c.

GAILLARDIA, Annual Blanket Flower.

Annual Gaillardia gives you at least six months of bloom. Red, yellow and red-and-yellow large, profuse-blooming daisies; 2 feet; sow January to April. Germination period 2 to 3 weeks.

Indian Chief, Bronzy-red.

Picta, Single Mixed.

Lorenziana, Double Mixed, lovely. ½-oz. 40c. Pkt. 10c.

GAZANIA splendens hybrida grandiflora. Per.

African Border Daisy. ga-zay'-ni-a.

Bronze, red, orange, yellow, cream, and white, showy, long-stemmed daisy-flowers with brown or yellow spots about the centers, on low-foliated edging or bedding plants; sow September to March for bloom first summer. **New Hybrids Mixed**. Pkt. 15c.

GERANIUM zonale.

Brilliant orange, red, salmon, pink, and white single flowers in large heads on somewhat tender plant for bedding and pots; sow April to July. Germination period 30 to 40 days.

Large-flowered Mixed. Pkt. 25c.

GERBERA jamesoni, Transvaal Daisy. Per. ger'-ber-a.

Almost every conceivable shade except blue and purple is found in these long-stemmed, large-flowered African Daisies for beds and bouquets requiring warm, well-drained soil; 2 feet; sow any time. Keep crown above soil surface. Germination period 2 weeks. **New Giant Mixture**. Pkt. 25c.

GILIA coronopifolia, Texas Plume. Bien. gill'-ia.

Vivid scarlet tubular flowers all summer and fall, on tall, slender plants, with Cypress-like foliage; 3 feet; sow September to January for bloom the following summer. Pkt. 15c.

ERINCEPS ritro, Globe Thistle. Per. ek'-i-nops.

Violet-blue, globular, prickly heads, striking in flower arrangements either fresh or dried; 5 feet; sow March to July. Pkt. 15c.

ENGLISH DAISY. See Bellis.

ERYNGIUM amethystinum, Sea Holly. Per. er-rin'-ji-um.

Amethyst blue, interesting prickly flower-heads; 5 feet; sow March to September. Pkt. 15c.

ESCHSCHOLTZIA, California Poppy. See Wildflowers, page 28.

EUPHORBIA heterophylla, Annual Poinsettia. you-for'-bi-a.

Showy orange-red bracts (as in the Perennial Poinsettia) make this an interesting summer and fall bedding annual; 3 feet; sow March to June. Germination period 10 days. Pkt. 10c.

EUPHORBIA variegata, Snow on the Mountain.

Ornamental foliage annual, with distinct white and green leaves, for beds or mixed bouquets; sow March to June. Germination period 2 to 3 weeks. Pkt. 10c.

EXACUM affine. eks'-a-cum.

Bright pure blue flowers with golden stamens; light green foliage, thick and waxy; a fragrant and charming pot plant flowering all summer from December to March sowings; 8 inches. Use two plants to a pot, and rich soil mixed with leaf-mold; give plenty of light and air. Pkt. 35c.

ELICIA bergeriana, Kingfisher Daisy. fe-liss'-i-a.

Sky-blue daisy-like flowers on low 6-inch free flowering plants for edgings and rockery; an "annual Agathea"; sow February to June. Germination period 3 weeks. Pkt. 25c.

FEVERFEW. See Matricaria capensis.

FLAG OF SPAIN VINE. See Mina lobata.

FORGET-ME-NOT. See Myosotis.

FOUR O'CLOCK, Mirabilis; Marvel of Peru. Per.

Red, pink, white, yellow flowers opening in afternoon, on bushy plants; may be grown as annual; sow October to April. Germination period 2 weeks.

Dwarf Mixed, 1 foot.

Tall Mixed, 2½ feet. Oz. 35c; Pkts. 10c.

FOXGLOVE. See Digitalis.

GEUM. Per. jee'-um.

Scarlet, yellow, and orange, semi-double rose-like flowers, on long stems in spring and summer, for beds and bouquets; 2 feet; sow July to September. Germination period 3 weeks.

Mrs. Bradshaw, scarlet-red.

Lady Stratheden, bright yellow. 1/16-oz. 40c; Pkts. 10c.

Prince of Orange, semi-double orange. Pkt. 15c.

GILIA, California species listed under Wildflowers. Page 28.

GLOBE AMARANTH, Gomphrena.

Purplish-red, pink, white, and orange clover-like everlasting flowers; make showy beds; 1 foot; sow February to May. Germination period 2 weeks. **Purple-red; Orange; Mixed.** Pkts. 10c.

GODETIA, listed under Wildflowers, page 29.

Gourds

GOURDS: Quick vines or trailers, with grotesque or ornamental fruits; sow March to June. Germination period 2 weeks.

Cultural Note: Sow in open, in warm, sandy soil. Do not water after they begin to bloom, else flowers may drop. For perfect shaped specimens, train vines on fence or trellis. Do not pick fruits until individual stems are brown and fingernail will not dent shell. After picking hang in an airy, dry place to cure. Large, hard-shelled varieties are usually scrubbed and painted; small, colorful varieties wiped free of dust and given a light coating of varnish or shellac.

LARGE-FRUITED VARIETIES:

Bird's Nest, hour-glass shape.

Calabash, or Penguin Gourd.

Cave Man's Club, medium-sized, knobby, stays dark green Pkt. 15c.

Dipper, used for dippers.

Dish Cloth or Bath Sponge.

Giant Bottle or Chinese Water Jug.

Hercules Club, club-shaped. 2½ feet long.

Longissima, slender, 4-6 feet long; edible.

Turk's Turban, large striped squash.

Large Sorts Mixed. Oz. 40c; ½-oz. 25c; Pkts. 10c.

SMALL-FRUITED VARIETIES:

Apple, Shaped, striped.

Bottle, miniature variety.

Crown of Thorns, finger-like projections. Pkt. 15c.

Egg Shaped, white, fools hens.

Flat, round, flat, striped green-and-white.

Hand Grenade or Horned Cucumber. Pkt. 15c.

Orange, color and shape, bright.

Pear Shaped, mixed colors.

Spoon, ball-shaped, long slender neck.

Turk's Cap, scarlet top, white bottom.

Warted Varieties Mixed.

Small Sorts Mixed. Oz. 45c; ½-oz. 25c; Pkts. 10c.



*Gypsophila
Elegans
Improved*

GYP SOPHILA elegans, Baby's Breath. jip-sof'-ill-a.

White, pink, or red, dainty flowers in airy clusters for mixing in bouquets; 2 feet; sow anytime. Germination period 10 to 14 days. **Grandiflora Alba**, white; **Pink; Crimson.** Pkts. 15c.

GYP SOPHILA paniculata. Per.

Double tinier flowers than the annual, ideal for bouquets and mixing, all summer and fall on large, bushy plants; 3 feet; sow October to May. Germination period 2 weeks.

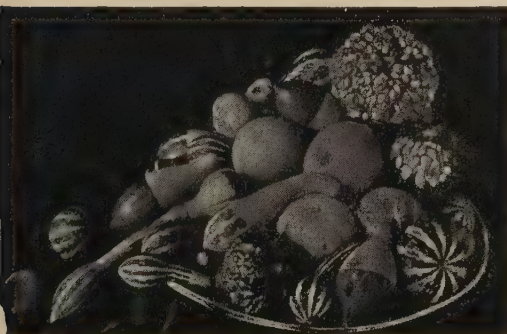
Double Snow White; Pacifica, pale pink, blooms earlier. Pkts. 25c.

HELENIUM autumnale, Helen's Flower. Per. hell-lee'-ni-um.

Golden yellow, single daisy flowers with crimson zone and dark globular centers in Fall; 4 feet; sow November to March. Germination period 10 to 20 days. **Riverton Gem.** Pkt. 15c.

FOR FRAGRANCE IN THE GARDEN, PLANT . . .

Sow in Spring		Sow in Fall	
Carnation	Nicotania	Alyssum	Stock
Dianthus	Sweet Sultan	Candytuft	Sweet Pea
Heliotrope	Sweet Wm.	Matthiola	Wallflower
Nasturtium	(Gleam)	Mignonette	Valerian



Gourds, Small Varieties Mixed



*Euphorbia
Heterophylla*



Echinops Ritro



Gaillardia, Grandiflora Goblin



Chater's Double Hollyhocks

HELIANTHUS, Sunflower. hee-li-an'-thus.

Yellow, orange, bronze-red, large daisy flowers, showy for backgrounds; sow December to April. Germination period 10 to 14 days.

Russian (10 feet), gigantic single, with edible seeds. Oz. 15c; Pkt. 10c.

Maroon Prince, large red, 4 feet. Pkt. 10c.

Miniature (5 feet), small golden yellow. Oz. 35c; Pkt. 10c.

Sun Gold, new, Improved Chrysanthemum-flowered (4 feet), large, fully-double golden flowers. ¼-oz. 25c; Pkt. 10c.

HELIANTHUS angustifolius, Autumn Glory. Per.

Golden yellow masses of bloom in Fall, from clusters of daisy flowers, with small dark centers; 5 to 7 feet; sow December to March. Pkt. 15c.

HELICHRYSUM, Strawflower. hell-i-cry'-sum.

Yellows, pinks, reds and white, large, very double everlasting. showy in beds and backgrounds; 3 feet; sow October to May. Germination period 2 weeks.

All Colors Mixed. ½-oz. 25c; Pkt. 10c.

OTHER EVERLASTING FLOWERS

Sow in Spring

Physalis Lunaria
Gomphrena Statice
Gypsophila paniculata

Sow in Fall

Acroclinium Grasses
Catananche Xeranthemum
Helichrysum

HELIOPHILA linearifolia, Cape Cress. hee-lee-o-fy'-la.

Bright deep blue, white-centered flowers in spikes with wiry stems, foliage grass-like for pots and borders; 1 foot; sow October to May. Pkt. 25c.

HELIOTROPE. Per.

Blue and purple shades, in fragrant clusters, easily grown; 2 to 6 feet; sow February to May for bloom first year. Germination period 3 weeks.

King of the Blacks, deep purple.

Madame Lederle, deep blue.

Mammoth Mixed. Pkts. 15c.

HERBS. See page 34.

HESPERIS matronalis, Sweet Rocket. Per. hess'-per-is.

Purple and white single stock-flowers, fragrant in evening; 3 feet; sow anytime. Germination period 18 days. **Mixed.** Pkt. 10c.

HEUCHERA, Coral Bells. Per. hew'-ker-a.

Pink, rose, and red, tiny bell-like flowers in clusters, with attractive low foliage, for rockeries and borders in sun or partial shade; 1½ to 2 feet; sow July to March. **Brizoides**, rose-pink. **Sanguinea**, coral-red. **Hybrids**, shades from pink to crimson. Large Pkts. 35c; Small Pkts. 15c.

HONESTY. See Lunaria.

HIBISCUS, Mallow Marvels. Per. hy-bis'-kus.

Pink, red, white, large flowers, 6 inches across; the true herbaceous Hibiscus, quite hardy anywhere; 4 feet; sow February to May for bloom first season. Germination period 2 to 4 weeks. **Mixed.** Pkt. 10c.

Hollyhocks

HOLLYHOCK. Per.

Pink, salmon, red, and yellow shades, in stately spikes ideal for backgrounds; 5 to 6 feet; sow February to August. Germination period 3 weeks.

Chater's Double, Newport, Pink, Rose, Salmon, Crimson, Chamois, Scarlet, Yellow, Mixed. Pkts. 15c; 3 for 35c.

ANNUAL HOLLYHOCK

Indian Spring, rose-pink shades; semi-double. Blooms in 6 months, so may be grown as an annual. Pkt. 15c.

Single Mixed. Pkts. 10c.

HUNNEMANNIA fumariaefolia, Mexican Tulip Poppy. Per. hun-nee-man'-i-a.

Bright yellow, cup-shaped flowers, 3 inches across on long stems, keeping well when cut; 2 feet; sow November to April. Germination period 2 weeks.

Sunlite, improved type. ¼-oz. 35c; Pkt. 15c.

HYACINTH BEAN. See Dolichos.

IBERIS gibraltarica, Perennial Candytuft. Per.

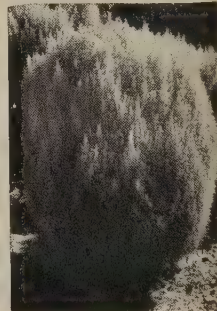
Lilac, turning white, small flowers in clusters on spreading, sunny rockery perennial in spring; 8 inches; sow January to May. ¼-oz. 25c; Pkt. 10c.



Helianthus Sun Gold



Helichrysum Mixed



"Fire-Bush" Kochia

IMPATIENS Holsti, Zanzibar Balsam. im-pay'-ti-enz.

Rich pinks, reds, and purples, rapid-growing and long-blooming, for pots and half-shady outdoor beds; 1½ feet; sow March to June. Germination period 15 days.

Hybrids Mixed. Large Pkt. 35c; Small Pkt. 15c.

IPOMOEA. See Morning Glories.

JERUSALEM CHERRY. See Solanum.

JOB'S TEARS. See Coix Lachrymae.

JOHNNY-JUMP-UP. See under Viola.

KALE, Ornamental. See Cabbage, Flowering.

KOCHIA childsii, Summer Cypress. koh'-ki-a.

Bright green feathery foliage, forming compact bushes quickly, that turn fiery red in Fall; 2 to 4 feet; sow January to June. Germination period 10 days. Oz. 35c; Pkt. 10c.

LANTANA. Per.

Red, pink, lavender, orange, and yellow flowers in verbenalike clusters; bloom the first year from seed and form shrubs; sow January to May:

Dwarf Hybrids, 1 to 2 feet.

Tall, 3 to 5 feet. ¼-oz. 45c; Pkts. 10c.

Larkspur

LARKSPUR, Annual Delphinium.

Pink, red, blue, lilac, and white, ideal bedding and cutting flowers; 3 to 5 feet; sow September to March. Germination period 4 to 8 weeks. (See page 17).

Cultural Note: Larkspurs are cool weather plants and are best sown in the fall, where they are to remain. In cold climates, November sowing is ideal, since a winter chilling aids good germination in early spring.

GIANT IMPERIAL, tall upright type, branching at the base to yield long stems for cutting:

Blue Bell, clear azure blue.

Blue Spire, rich deep blue.

Carmine King, rose-red.

Coral King, new deep coral-pink.

Pink Perfection (new), best pure pink (15c).

Miss California, salmon-pink.

Lilac Spire, deep lavender.

White King, new erect pure white.

Giant Imperial Mixed. Oz. \$1.50; ¼-oz. 45c; Pkts. 10c (5 for 40c.)

STOCK-FLOWERED, 3 to 4 feet; branches along stalk, so stems shorter:

Mixed. Oz. \$1.50; ¼ oz. 40c; Pkts. 10c.

SUPER MAJESTIC, Newest type; usually reaches a height of 5 ft.; large blooms on long branches.

Rose Pink; Lavender; White (Novelty). Pkts. 15c.

LATHYRUS latifolius, Perennial Sweet Pea. Per. Vine.

lath'-i-russ.

Red, pink, and white sweet-pea flowers (not fragrant) in clusters, on vine best as trailer and ground-cover; sow November to May. Germination period 3 weeks.

Pink Beauty; White Pearl; Red; Mixed. ¼-oz. 35c; Pkts. 10c.

LAVATERA splendens, Annual Mallow. la-va-tee'-ra.

Rose-pink, large flowers on bushy plant for show and cut; 2½ feet; sow November to March. Germination period 2 to 5 weeks. **Rosea,** best rose. ¼-oz. 30c; Pkt. 10c.

LAVENDER, Lavandula vera. Per. la-van'-dew-la.

Small lavender flowers, delightfully fragrant; a favorite for drying; 2 feet; sow October to March. Germination period 30 days.

Munstead Strain, dwarf (1 foot), deep lavender. Pkt. 15c.

True English (2 feet). ¼-oz. 80c; Pkt. 10c.

LAYIA. See page 29.

LEMON VERBENA, Aloysia citriodora. Per.

Fragrant-leaved, hardy shrub; 6 to 10 feet; sow February to May. Pkt. 15c.

LEPTOSIPHON. See Gilia micrantha and liniflora.

LEPTOSYNE maritima, Sea Dahlia. Per.

Yellow flowers fine for cutting; native perennial blooming in 90 days; 2 feet; sow September to April. Germination period 2 weeks. Pkt. 10c.



Larkspur, Giant Imperial

LIATRIS pycnostachya, Kansas Gayfeather. Per. ly-ate'-ris.

Strikingly showy tall, feathery spikes of rosy-purple in midsummer; 5 feet; sow March to August. Germination period 3 to 5 weeks. Pkt. 15c.

Lilies from Seed

Growing lily bulbs from seed is becoming a popular hobby with amateur gardeners. Really fine bulbs can be raised from seed with a little patience and care. Seeds should be sown in flats of soil prepared by mixing good garden loam with equal parts of sand and leaf mold or peat, covering with ¼-inch of sifted mixture. Press firmly and soak the flat in water after which it is placed in a shady place to await germination. Seed may be sown at any time. The little plants first make root growth and bulbs before showing any impressive top growth. They should be transplanted the second year into larger flats of prepared soil with a little bone meal or to specially prepared beds outdoors. The following year they should be large enough to go into the garden. Species germinating readily are marked with an asterisk (*) before the name.

LILIES, True Lilium Species. Per. lil'-i-um.

Auratum var. platyphyllum, Gold-Banded Lily, outspread white petals, each striped with a yellow band and spotted with crimson; fragrant; 4 to 7 feet; blooms August-Sept. Pkt. 25c.

***Formosanum, Fall Regal Lily,** white trumpets shaded externally with violet; fragrant; 4-6 feet; bloom Sept.-Oct. (first season if sown early). Pkt. 15c.

***Henryi, "Orange Speciosum,"** recurved golden yellow petals, spotted brown; one of the hardiest, and best for cutting; 5-8 feet; bloom August-September. Pkt. 25c.

Japonicum, best true pink lily, with fragrant trumpets in varying shades of pink; 3 feet; bloom June. Pkt. 25c.

Continued next page.



Marigold Gigantea
Orange Sunset

Lilies—Continued.

GROW YOUR OWN EASTER LILIES.

***Longiflorum Praecox White Queen, Easter Lily.** Since the war Easter Lilies have been scarce. This variety is relatively easy to grow and preferable to the bulbs now on the market. Has large, long, pure white trumpets; an improved form, taller than the type, and fine for cutting and garden show, as well as Easter forcing; 4 feet; blooms June-July from seed sown previous spring. Pkt. 35c.

Fardalinum Giganteum, Sunset Lily, recurved long petals, deep red spotted purple, with golden center; magnificent species, very robust and hardy; 5-7 feet; bloom July. Pkt. 25c.

Parryi, Lemon Lily, lemon-yellow, spotted brown, tubular flowers with recurved petal-tips; fragrant; 4 feet; blooms July. Pkt. 25c.

***Regale, Regal Lily,** the most popular lily in America, with large golden-throated white, open trumpets tinted pink externally; very fragrant; easily forced in pots or grown outdoors; 4 feet; bloom June-July. Pkt. 15c.

Shuksan, the best of the late Dr. David Griffith's hybrids, recurved rich orange, dotted black. petals; vigorous and handsome with many flowers in bloom at once; 4-5 feet; bloom July. Pkt. 25c.

***Tenuifolium, Siberian Coral Lily,** the most popular dwarf lily for the garden and rockery; 10 to 20 dainty bright scarlet, nodding reflexed flowers to a spike; 18 in., May-June. Pkt. 15c.

***Tenuifolium Golden Gleam,** lovely new bright yellow form of the above. Pkt. 25c.

Washingtonianum, Mt. Hood Lily, tubular white flowers, dotted purple in the throat. the petal-tips opening wide and star-like; fragrant; 3-6 feet; bloom June-July. Pkt. 25c.

***Willmottiae,** recurved orange-red petals; grass-like foliage; one of the hardiest and most dependable species; 4-5 feet; bloom July. Pkt. 25c.

LIMNANTHES. See page 29.

LINARIA, Toad Flax, Baby Snapdragon. ly-nay'-ri-a.

Lavender, purple, pink chamois, yellow, red, etc., miniature snapdragon-flowers, unusually fine for beds, ground covers, or mixed bouquets, in winter and spring; sow September to February.

Annuals

MAROCCANA HYBRIDS (15 inches):

Diadem, large violet, white eye.

Hybrid Mixture. Oz. \$1.00; ¼-oz. 30c; Pkt. 10c.

DWARF COMPACT TYPE (8 inches):

Fairy Bouquet, new, bushy type, with large flowers in pastel shades. ½-oz. \$1.10; ¼-oz. 35c; Pkt. 10c.

Fairy Bridesmaid, new lemon yellow. Pkt. 15c.

Perennials

The following varieties are easily grown and showy perennials. Flowers like snapdragons with a conspicuous spur. Sow July to Feb.

Dalmatica, 3 feet; yellow flowers, grey foliage.

Canon Want, 2 feet; soft pink, grey foliage. Pkt. 10c.

LINUM. Per. ly'-num.

Sky-blue or yellow flowers, profusely produced in spring and summer; blooms in 4 months; 2½ feet; sow January to May. Germination period 3 to 4 weeks.

Flavum, showy clear yellow.

Perenne, light blue. ½-oz. 35c.

Narbonense, deep azure blue, compact. Pkts. 10c.

LINUM grandiflorum rubrum, Scarlet Flax.

Bright scarlet flowers, on slender graceful plant, in all seasons; particularly useful in winter; 1½ to 2½ feet; sow any month. Germination period 2 weeks. Oz. 60c; Pkt. 10c.

LOBELIA erinus compacta. lo-beel'-ia.

Blue bedding and edging plants; 4 inches; sow January to May. Germination period 10 to 15 days.

Cambridge Blue, fine light blue. (Pkt. 15c).

Crystal Palace, dark blue, bronzy foliage.

Emperor William, bright-blue, green foliage.

LOBELIA cardinalis, Cardinal Flower. Per.

Fiery scarlet flowers in erect spikes with bronzy-green foliage; 2 feet; sow January to March. Pkt. 15c.

LUNARIA, Honesty, Money Plant. loon-ar'-ia.

Round, flat, silvery transparent seed-pods, to dry for winter decoration; 2 feet; sow October to May. Germination period 2 to 3 weeks. ¼-oz. 70c; Pkt. 10c.

LUPINUS, Lupine. lupin'-us.

Blue, pink, and white pea-flowers in clusters, for beds and bouquets; native; sow December to April. Germination period 10 days.

DWARF VARIETIES (1 foot):

Nanus, California native, deep blue.

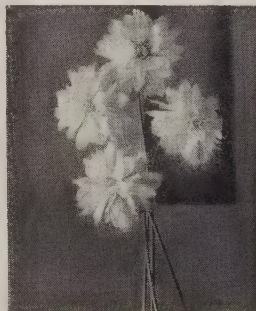
Texensis (Texas Blue Bonnet), clear blue. Oz. 50c; Pkts. 10c.

TALL VARIETIES (3 feet):

Hartwegii Giant King type, large flowers and spikes, in shades of blue, and white. **Deep Blue. Mixed.** Oz. \$1.00; ¼-oz. 30c; Pkt. 15c.

MALLOW MARVELS. See Hibiscus.

MARGUERITE, Annual. See Chrysanthemum Nivelli.



Leptosyne, Double
Golden Rosette



Dwarf Linaria
Fairy Bridesmaid



Dwarf Lobelia
Blue. One
edging. Cl
season

Marigold

MARIGOLD, *Tagetes*. ta-gee'-teez.

Orange, yellow, brown, striped, spotted; splendid for summer and fall bedding and cutting; sow January to July. Germination period 5 to 10 days.

Cultural Note: The African Marigolds are heavy feeders, and thrive in rich soil, well-watered. The French Marigolds are, however, very light feeders, and bloom best, kept on the dry side, in unfertilized soil.

AFRICAN (tall double fistulosa; 2½ feet):

Orange Prince All-Double.

Lemon Queen All-Double.

Mixed (above 2 var.).

CARNATION TYPE:

Guinea-Gold, loose-petalled orange.

Yellow Supreme, loose-petalled yellow.

Gigantea, Sunset Giants, new giant-flowered type.

Orange Sunset, deep orange. **Mixed.**

Burpee Gold, improved odorless-foliaged Marigold, bright orange similar to Guinea Gold. All above ¼-oz. 70c; Pkt. 10c.

Harmony Marigold for Bedding.

Pot O'Gold (New Dwarf Gigantea-flowered).

Red-and-Gold Hybrids, combine the size and vigor of the African with the rich red colors of the French. Pkt. 15c.

Wildfire, new singles.

CHRYSANTHEMUM-FLOWERED (new type, with compact head of small incurved petals):

Early Sunshine, bright lemon-yellow.

Golden Bedder, early, dwarf, yellow.

Limelight, new soft lime-yellow.

Hybrids Mixed, all shades of orange and yellow. ⅓-oz. 40c; Pkts. 10c.

Goldsmith (New), soft golden-orange.

FRENCH, tall sorts, 3 feet.

Ferdinand, new single, gold-tuft center flanked red-brown.

Tall Double Harmony Hybrids, mixed.

Double Mixed, all colors.

FRENCH (dwarf sorts, 10 inches):

Harmony, deep orange with maroon collar of broad petals; very even habit.

Harmony Hybrids, showy combinations of gold, yellow, and maroon.

Melody, early, dwarf golden yellow.

Spotlight, new red, yellow center.

Yellow Pygmy, new soft lemon-yellow, very dwarf and compact; splendid summer edging.

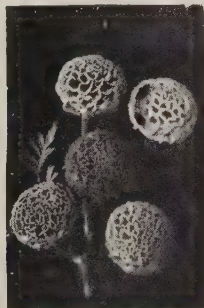
Monarch Strain, large rich-colored mixture. ¼-oz. 50c; Pkts. 10c.

Spry, extra dwarf French type; outer petals maroon, surrounding center of crested light orange petals. Pkt. 10c.

Tagetes signata pumila, bright yellow, tiny single flowers in great profusion on compact bushes for edgings; 8 inches. Pkt. 10c.



Cambridge, the best for ear color, long of blooms



Monarch Strain of French Marigold



Matricaria Snowball



Large Flowered Spencer Sweet Peas
For complete list see page 26.

MATRICARIA, *Feverfew*. Per. mat-ri-cay'-ri-a.

White or yellow, double flowers in clusters for beds, borders, or cutting, all summer and fall; sow December to April. Germination period 10 to 15 days.

CAPENSIS (Feverfew), semi-double white; 2 feet.

EXIMIA, fully-double type; 1 foot.

Golden Ball, golden yellow.

Snowball, pure white.

MATTHIOLA *bicornis*, *Evening-scented Stock*. ma-thy'-o-la.

Mauve, small, single flowers, valued for their evening fragrance; 2 feet; sow January to July. Try them broadcast in a sunny corner near your outdoor living-room. Pkt. 10c.

MEXICAN POPPY. See *Hunnemannia*.

MEXICAN ZINNIA. See *Zinnia Haageana*.

MIGNONETTE, *Reseda odorata*. re-zee'-da.

Deliciously fragrant small flowers in spikes; 1 foot; sow any month. Germination period 2 weeks.

Goliath Red, large red spikes.

Sweet Mignonette, the old-fashioned favorite. Oz. 35c.

White Goliath, ¼-oz. 50c; Pkt. 10c.

MILE-A-MINUTE VINE, *Ipomoea dissecta*. Vine.

Creamy-white, wine-red-centered, medium-sized flowers open all afternoon on fast-growing vine with lovely lacy foliage; notch seeds or soak overnight; sow April to June. Pkt. 15c.

MINA LOBATA, *Flag of Spain*. Vine.

Red changing to yellow, tubular flowers in clusters on rapid vine, with beautiful lobed leaves; sow February to May; notch seeds, or soak for surer germination (period is 2 weeks). Pkt. 15c.



Swiss Giant Pansy. See page 21.

MONARDA didyma, Bergamot. Per. mo-nar'-da.

Brilliant scarlet bracts; good for bees and massing; 2½ feet; sow January to May. Pkt. 15c.

MOON VINE, Ipomoea noctiflora. Per. Vine.

Pure white, large flowers open at night, on rapid climber; sow February to April, notching the seeds or soaking 24 hours. Germination period 40 to 60 days. **White Moonflower** (grandiflora alba), open at night and early morning. Pkt. 15c.

MORNING GLORIES. Vines. See also Cardinal Climber, Cypress Vine, and Mile-a-Minute Vine.

Rapid, very showy annual vines; sow March to June, soaking seeds 24 hours. Germination period 10 to 21 days. For best bloom, never fertilize, and water very sparingly.

CONVOLVULUS SPECIES: Major Blue; Major Mixed. Oz. 25c; Pkts. 10c.

IPOMOEA SPECIES:

Heavenly Blue, Clarke's Early-flowering, sky-blue, 4-inch flowers, with yellow throat; ¼-oz. 35c.

Imperialis, Japanese Imported Hybrids Mixed, very large, unusual colorings. ¼-oz. 35c.

Scarlett O'Hara, new deep rosy-crimson. ¼-oz. 50c.

Cornell, deep red, strikingly margined with white. ¼-oz. 70c.

Rose Marie, double deep rose flowers, produced early and freely. ¼-oz. 35c.

All above, Pkts. 15c.

MORNING GLORY, Bush, Convolvulus tricolor.

Bright blue flowers, with white centers and golden throats, on dwarf, bushy plants (not a vine); 1 foot; sow March to June. Soak seeds before planting. ½-oz. 40c; Pkt. 10c.

MOSS ROSE. See Portulaca.

MYOSOTIS, Forget-Me-Not. Treat as Annuals. my-o-soh'-tis.

Blue dainty flowers familiar to all, for shady beds and borders, where they can be well watered; 1 foot; sow August to October. Germination period 2 weeks.

Victoria, bright blue, yellow-centered, for edging. 8 inches.

Blue Bird, deep blue, best winter-flowering variety.

Semperflorens, blooms from early spring until fall. Pkts. 15c.

NASTURTIUM, Tropaeolum. tro-pee'-o-lum.

Bright flowers, very easily grown; the dwarf sorts for edgings in sun or partial shade, the tall covering low fences, or trailing as a ground cover, and both furnishing bouquets; sow anytime. Germination period 10 to 14 days.

DOUBLE-FLOWERING GLEAM HYBRIDS (spreading type):

Golden, large, fragrant golden yellow flowers in profusion.

Mahogany; Moon, soft creamy yellow; **Orange; Salmon; Scarlet.**

Gleam Hybrids, cream yellow, orange, scarlet, crimson, yellow spotted red, etc. **Mixed.**

All above, oz. 40c; ½-oz. 25c; Pkts. 10c.

DOUBLE DWARFS, (Gem Type; 10 inches):

Golden Globe, new double, rich yellow dwarf.

Scarlet Gem, vivid red, green leaves.

Gem Mixture (all colors). Oz. 35c; Pkts. 10c.

SINGLES:

Dwarf, mixed (all colors; 10 inches). Oz. 15c; Pkt. 10c.

Tall or Trailing, California Giants Mixed. Oz. 15c; ½-oz. pkt. 10c.

NICOTIANA affinis, Sweet-scented Tobacco Plant.

ni-koh-she-ain'-a.

White, pink, lavender, and crimson, large, open flowers with long tubes, very fragrant at night; easily grown, quick and continuous-flowering; 2 to 4 feet; sow where to remain. October to June. Germination period 10 days.

Waxy White; Crimson King; Pink Shades; Hybrids Mixed, all colors, ¼-oz. 30c; Pkts. 10c.

Suaveolens, new semi-dwarf with medium-sized sweetly-fragrant white flowers. Pkt. 25c.

NEMESIA. ne-mee'-she-a.

Orange, yellow, rose, scarlet flowers in clusters; for showy beds and borders in winter and spring; sow October to April. Germination period 20 days.

Strumosa grandiflora Suttoni; Large-flowered **Blue, Orange, Rose, Scarlet, and Mixed;** 1 foot. Pkts. 10c.

Compacta Blue Gem, splendid forget-me-not-like bedder, 7 in. Pkt. 10c.

NEMOPHILA insignis. See page 29.



Nasturtium, Golden Gleam

NEPETA mussini. Per. nep'-e-ta.

Small blue flowers; grey foliage, ideal for rockeries and edgings; 1 foot; sow January to April. Germination period 18 days. Pkt. 15c.

NIEREMBERGIA hippomanica, Dwarf Cup Fower. Per. near-em-berj'-ia.

Lavender-blue open-cup flowers cover the compact, dwarf (5 inch) bushes all spring and summer. One of the best new flowers! Sow January to April for bloom first year. Pkt. 25c.

NIGELLA, Miss Jekyll, Love-in-a-Mist. ny-jell'-a.

Semi-double, blue flowers, nestling in fine, feathery foliage; 1½ feet; sow February to May. Germination period 2 weeks. Corn-flower blue. ¼-oz. 25c; Pkt. 10c.

OENOTHERA lamarckiana, Evening Primrose. Bien. ee-noth'-er-a.

Yellow, large flowers, opening at dusk and fragrant in the evening; easily-grown background plant in sun or semi-shade; 4 feet; sow December to March. Germination period 30 days. ½-oz. 20c; Pkt. 10c.

ORTHOCARPUS. See page 29.

PAINTED DAISY. See Chrysanthemum, Annual.

Pansies

PANSY

Reds, purples, blues, yellow, and white; unsurpassed for low beds and edgings; 6 inches; sow July to October for winter, and until March for spring and summer. Germination period 10 to 15 days.

Steele's Mastodon Jumbo Mixture. A superb strain of American grown pansies; all giant flowered in the widest known color range. Very fine. 1/16-oz. \$1.75; Pkt. 25c.

Super Maple Leaf Giants. Large flowered strain composed of light colors only. 1/16-oz. \$1.50; Pkt. 25c.

Engelmans Giants. Large flowers in all colors but blue and red, never solid as each flower has a lighter tone around the edges of petals. 1/16-oz. \$1.75; Pkt. 25c.

Boggli Swiss Giants. (Originator's Seed). Large flowers with long stems. Plants are compact and early flowering. Contains both light and dark shades. Mixed colors 1/16-oz. \$1.75; Pkt. 25c.

Alpenglow, rich red.

Gold Gelbe, pure yellow.

Berna, rich purple.

Hohenfuer, orange-red.

Jungfrau, pure white.

Lake of Thun, deep blue.

Rheingold, immense yellow with a dark center. Above Pkts. each color 35c.

Geneva Giants, compact growing plants with large flowers in a good color range. First flowers are small but as the blooming season advances flowers increase in size. ¼-oz. \$1.25; Pkt. 15c.

Campbells Argyle Giants. Splendid bedding mixture, with fine colors and good sized flowers. Oz. \$4.50; ¼-oz. \$1.25; 1/16-oz. 35c; Pkt. 10c.

Baby Delight, lovely little Pansy with flowers smaller than Violas, clear light blue with wavy petals. Dwarf, compact plants. Ideal for late spring planting because plants withstand heat well. Flower in 70 days. Pkt. 25c.



Bush Morning Glory



Morning Glory
Cornell



Nicotiana
Crimson King



Oenothera, Evening Primrose

PASITHEA coerulea. Per. pas-sith'-i-a.

Deep, luminous blue star-like flowers in mid-spring, in loose clusters on wiry stalks well above grass-like foliage, entirely dormant in summer; 3 feet; rare, fine for cutting; sow March to August. Pkt. 25c. (Dormant bulbous clumps available August to October. Each 25c).

PASSION VINE, Passiflora edulis. Per. Vine.

Beautiful and interesting waxy blue-and-white flowers on attractive vine, evergreen in mild climates, apt to winter-kill in severe; fruits edible, and much-prized for the strongly-flavored juice; sow March to July. Germination period 30 to 40 days. Pkt. 15c.

PENSTEMON. Per. pen'-ste-mon.

Pink, scarlet, crimson, purple or white tubular flowers with flaring petals, in showy spikes. Plant in beds and borders. Sow August-November for bloom the same season. Germination 17 days.

Heterophyllus Blue Gem. Rich blue, 1 ft. bedding variety.

Sensation. The large flowered type. Good colors, fine for cutting.

Pink, Red, Violet-purple, Whits or Mixed. 1/16-oz. 50c; Pkt. 15c.

PLANTS THAT NEED LITTLE WATER

Sow in Spring

Ageratum
Callopolis
Centaurea
Cosmos
Cynoglossum
Dianthus
Euphorbia
Four o'Clock

Hellanthus
Marigold
Petunia
Portulaca
Scabiosa
Tithonia
Vinca
Zinnia

Sow in Fall

Coreopsis
Gaillardia
Hollyhock
Mesembryan-
themum
Statice
Verbena
Dimorphothecca

GOOD GROUND COVER

Sow in Spring

Anagallis
Nasturtium
Nolana
Portulaca
Verbena
Thunbergia

Sow in Fall

Alyssum
Brachycome
Gilia Fairy
Stars
Linaria
Nemophila
Virg. Stock
Wild Flowers



Petunia, Giants of California

PETUNIA. pe-too'-ni-a.

Pink, rose, red, lavender, blue, purple, and white; unusually floriferous bedding plants, continuing in bloom from spring to winter; sow January to July. Germination period 10 days.

Cultural Note: Mix seed with fine sand and sprinkle over surface of ready-moistened, finely-screened light soil-mixture in seed-pans or flats. Cover with glass or damp burlap until seed sprouts; watering unnecessary if soil was properly moistened, although watering from below allowable. Remove cover when first sprouts show.

DWARF COMPACT PETUNIAS

A group of petunias ranging in height from the miniatures of 6 inches to others no taller than 12 inches. All are compact, free flowering annuals suitable to edging annual beds and borders or in masses by themselves.

Miniature

Nana compacta, very dwarf, average height 6 inches.

Brilliant Rose Gem, rich deep rose. Pkt. 10c.

Pink Gem, rose pink. Pkt. 10c.

White Gem, pure white. Pkt. 15c.

Violet Gem, deep violet blue. Pkt. 10c.

Pink and White Gem, rose pink starred white. Pkt. 10c.

Nana compacta, Ruffled. Flowers attractively ruffled similar habit of growth.

Betsy Ross, red and white, golden and dark red throat.

General Washington, velvety red, blackish throat.

Martha Washington, blush pink deepening to dark violet at throat. Pkt. 25c.

Mixed. Special mixture of the above varieties. Pkt. 25c.

Nana erecta. Dwarf plants averaging 9 to 12 inches in height. Showy flowers.

Celestial rose, improved Rose of Heaven. Bright rose.

Heavenly Blue, light silvery blue.

Rosy Morn, bright pink with white throat.

Salmon Supreme, rich salmon pink. Pkt. 25c.

Snowball, pure white.

Violet Blue, rich blue purple. Pkt. 15c.

Mixed. Dwarf bedding varieties. Full color range. Pkt. 10c.

All unpriced varieties. Pkt. 10c each.

MEDIUM SPREADING PETUNIAS

Varieties in this group grow from one to two feet in height and have a tendency to spread out and develop masses of flowering stems. They are very showy when used in masses or as specimens placed among other plants. Long blooming season, keeping their freshness and vigor throughout the flowering period. Require little care and water.

Hybrida:

General Dodds, velvety blood red. Pkt. 10c.

Howards Star, deep purple with pure white star. Pkt. 10c.

Inimitable, old-fashioned mixture of blotched, striped and starred types. Pkt. 10c.

Mars, large, deepest velvety crimson. Pkt. 20c.

Violacea, rich violet purple. Pkt. 10c.

Choice Mixed, large single flowered. Pkt. 25c.

Formula Mixture, blended to include every known color in Petunias. Pkts. 10c.

Hybrida grandiflora. Pkts. 15c each.

Elks' Pride, popular. Velvety; dark Elks' purple blooms.

White Cloud, compact plants covered with pure white blooms.

Hybrida pendula, Balcony Petunias. Popular spreading variety used extensively for masses of color in window boxes and in the front margins of borders, or in masses where they may sprawl.

Blue, dark blue purple.

Rose, rose pink.

Cornflower Blue, light blue.

Mixed.

Pkts. each 15c.

GIANT FLOWERED PETUNIAS**Ruffled and Double**

All varieties listed below are exceptionally large flowered, with the distinction of having either beautifully ruffled or fringed petals or extremely double flowers. They are lovely when planted in pots or tubs as specimen plants.

Ruffled Petunias:

Coppery Red, ruffled coppery red with dark throat.

Dainty Lady, fringed, palest yellow with deeper throat.

Glamour, ruffled, luscious salmon rose.

Giants of California, Supreme Strain. Very ruffled, choice formula mixture.

Marilyn, ruffled, rich salmon; veined throat.

Theodosia, fringed, rosy pink, golden throat.

Ramona, ruffled pink and rose shades.

All above varieties, Pkts. 25c each; 5 for \$1.00.

Doubles:

Giant Double Fringed. A choice mixture producing 95% perfectly formed giant flowers including Giant Double Ruffled and Giant Double Fringed forms in a magnificent color range. Very choice. Pkt. 50c; 3 for \$1.25.

Blue Brocade. Dwarf giant fringed double in rich violet blue. Pkt. 25c.

PHACELIA. See page 29.

Phlox decussata grandiflora. Per.

Pinks, reds, lavenders purple and white; showy summer border plant; seeds slow to germinate, taking from 6 weeks to 6 months; 3 feet; sow October to March. **Mixed**. Pkt. 15c.

PHLOX drummondii grandiflora.

Pinks, reds, lavenders, salmon, yellow, and white; easily-grown, spring, summer and fall bedder; sow January to July. Germination period 10 to 15 days.

ONE-FOOT VARIETIES:

Chamois Rose (salmon-pink).

Dark Red.

Fiery Scarlet.

Deep Rose.

Flesh Pink, rose eye.

Isabellina, creamy yellow.

Pure White.

Violet, white eye.

All above, 1/8-oz. 50c; Pkts. 10c.

GIGANTEA, extra-large-flowered strain:

Salmon Glory, new salmon-pink, with cream eye. Pkt. 15c.

Rosy Morn, new bright rose-pink with white eye.

Art Shades Mixed, contains the above, and other light shades. 1/8-oz. 50c; Pkt. 15c.

DWARF VARIETIES (nana compacta; 6 inches):

Fireball, scarlet.

Chamois Rose, salmon pink.

Violet Blue.

Mixed Dwarfs, 1/16-oz. 50c; Pkts. 15c.

VINES FOR MANY PURPOSES**Sow in Spring**

Asparagus plumosus, Australian Pea Vine, Balloon Vine, Balsam Apple and Pear, Canary Bird Vine, Cardinal Climber, Cobaea, Cypress Vine, Hyacinth Bean, Gourds, Lathyrus latifolius, Mile-a-Minute, Mina lobata, Moon Vines, Morning Glories, Thunbergia, Snail Vine, Scarlet Runner, Wild Cucumber.

Sow in Fall

Early Spencer Sweet Peas.

PHYSALIS franchetti, Chinese Lanterns. Bien. fiss'-a-lis.
Orange-scarlet pods the second year, beautiful dried for winter decoration; 1½ feet; sow January to June. Germination period 3 weeks. Pkt. 10c.

PHYSOSTEGIA Virginiana. Obedient Plant. Per. fy-soh-stee'-ji-a
Lavender-pink, tube-shaped flowers in showy spikes on bushy border plant in July and August; 4 feet; sow September to May. Germination period 25 days. Pkt. 15c.

PLATYCODON grandiflora, Bell Flower. Per. plat-i-koh'-don.
Blue, balloon-like buds opening into large, deep blue bell-shaped flowers for partly shaded borders; 1½ feet; sow August to March. Germination period 12 to 15 days. Pkt. 15c.

PLATYSTEMON. See page 29.

Poppies

POPPY, Papaver sp. pah-pay'-ver.

Pink, rose orange, and red shades, quick, showy, large-flowered bedders, which may be cut if the cut ends of the stems are singed; sow November to May. Germination period 10 to 14 days.

Flanders, true French Poppy, deep red.

SHIRLEY (crinkled petals and hairy foliage; 1½ feet):

American Legion, large orange-scarlet.

Wild-Rose Pink.

Single Formula Mixture, many choice shades.

Double Camellia-flowered. All. Oz. 60c; ¼-oz. 20c; Fkts. 10c.

TALL SORTS (smooth foliage; 3 feet):

Single Mixed.

Double Salmon Pink, huge pompons.

Double Carnation Flowered. Mixed. Pkts. 10c.

POPPY. Per.

Sow August to March. Germination period 10 to 15 days.

Glaucium (3 feet), deep, glossy orange, smooth foliage, magnificent specimen plant. Pkt. 10c.

NUDICAULE (ICELAND); 1½ feet, with crinkly-petalled flowers on long stems above low leaf-clumps, fine for edgings and bouquets; bloom first year:

Pastel Tints, new.

Sandford's Giants, oranges, yellows, and white—the best strain in size of flower and vigor.

Gartref Hybrids, giant flowers in beautiful shades, picotee-edged.

Empress, lovely, large salmon-rose shades.

Emperor, giant orange.

White, pure white.

Yellow Wonder, giant buttercup-yellow, 1/16-oz. 50c; Pkt. 15c.

Salmon Shades, huge flowers, 3 feet tall.

Oriental Hybrids (2½ feet), strong foliage and stems, and huge flowers in salmon, rose, orange and red shades. Pkt. 15c.

PORTULACA grandiflora, Moss Rose. pohr-tew-lak'-ka.

Pink, rose, lavender, yellow, orange, and red shades; showy ground cover and bedder standing hot, dry situations; 6 inches; sow February to May. Germination period 2 weeks.

Single, Rainbow Mixed. ¼-oz. 45c; Pkts. 10c.

Double, Reselected Mixed. ½-oz. 65c; Pkt. 15c.

Primulas

PRIMULA, Primrose. prim'-you-la.

Showy flowers for pots and beds in shade.

Cultural Note: Sow seeds on surface of compost half fibrous loam, balance equal parts leaf-mold, decayed cow manure, and sharp sand (if manure is not old, it is better left out), pressed firmly in flat, or 6-inch pot half filled with drainage. Sprinkle seeds thinly with similar soil, and cover with pane of glass. Shade from sun and keep moist from below. May is best month, but sowings may be made successfully any time.

POLYANTHUS, Per. English-type; 6 inches.

Yellow, orange, brown, red, purple flowers in large clusters. Germination period 60 days:

Giant Munstead Strain, mostly yellow shades.

Giant-flowered Hybrids, all colors. Pkts. 25c; 5 for \$1.00.

CHINESE TYPE:

Salmon, rose, lavender, crimson, white; for pots and bedding; 10 inches. Germination period 15 days.

Chinensis Stellata (Star) Mixed.

Chinensis Fimbriata Mixed. Pkts. 25c; 5 for \$1.00.



Primula Malacoides, Baby Primrose

MALACOIDES, Baby Primrose:

Feathery clusters of small flowers for winter and spring beds and edging; 1 foot. Germination period 3 weeks.

Brilliance, new rose-red.

Lavender, large-flowered.

Eriksonii, new rosy lilac; large.

Light Lilac, the earliest-flowering.

Snow Queen, pure white.

True Rose, deep rose-pink. Fkts. 25c; 5 for \$1.00.

GIANT-FLOWERED. Malacoides Strain:

Double Fairy Jewels, rich rose-pink.

Enchantress, soft salmon-rose.

Lavender Glory, deep lavender.

Snow-Flake, pure white. Pkts. 50c.

OECONICA:

Large flowers, from December to July; 10 inches. Germination period 30 days.

Apple Blossom, light rose-pink.

Berlin Red (Fassbender Strain), huge deep red.

Coerulea, clear blue.

Lachsrosa, fine new salmon-rose.

Rhine Pearl, salmony-red.

Salmon Queen, pure salmon pink.

White, large pure white.

Grandiflora Mixed. Pkts. 50c; 3 for \$1.25.

SELECTED LIST OF GOOD POT PLANTS

Sow in Spring

Begonia
Coleus
Gloxinia
Impatiens
Lobelia, Tr.

Minulus
Nierembergia
Saintpaulia
Primula
Exacum

Sow in Fall

Browallia
Campanula
(Per.)
Cineraria
Cyclamen

Gesneria
Pansy
Primula
Streptocarpus
Schizanthus

PLANTS FOR PARTIAL AND FULL SHADE

Sow in Spring

Aquilegia*
Begonia
Cineraria
Coleus
Campanula*
Foxglove

Impatiens
Heuchera*
Mimulus
Primula
Rehmannia*
Vinca*

Sow in Fall

Anemone*
Clarkia*
Bellis*
Collinsia*
Myosotis
Browallia

Pansy*
Platycodon*
Cyclamen*
Godetia*
Linaria*
Nemophila*

*Denotes those for Partial Shade.



Scabiosa, Imperial Giants Blue Moon

PYRETHRUM parthenifolium aureum. Per. py-ree'-thrum.

Yellow-foliaged edging plant, grown usually as an annual to border flower beds; 6 inches; sow October to May. Germination period 3 weeks. $\frac{1}{4}$ -oz. 25c; Pkt. 10c.

PYRETHRUM roseum hybridum. Per.

Pink, rose, and red, large daisy flowers above feathery foliage for beds and bouquets; 1 to 2 feet. Sow September to May. Germination period 3 weeks.

Grandiflorum Single Mixed.

Double Choice Mixed. Large pkts. 35c; small, 15c.

PYRETHRUM tchihatchewi, Turfing Daisy. Per.

Small white daisy-flowers on low, spreading ground-cover plant with feathery, gray-green foliage densely-placed; stands dry soil and walking-on; 6 inches; sow February to July. Pkt. 15c.

QUEEN ANNE'S LACE FLOWER.

White, tiny flowers in umbels, the whole forming large lacy heads, attractive in the mixed bed, and useful as a cut-flower filler; 2½ feet; sow February to May. Pkt. 10c.

REHMANNIA angulata. Per. ray-man'-i-ah.

Deep rose-pink flowers with spotted throats, resembling large Foxgloves, with beautiful foliage, the first season, in sun or partial shade; 2 to 4 feet; sow October to April.

Alba, lovely white; rare. Pkt. 25c

Pink Perfection, bright rose. Pkt. 15c.

RICINUS. Per. See Castor Oil Bean.

ROCKERY PERENNIALS, Mixed. Per.

A splendid special mixture of 24 hardy, low-growing perennials, unusually interesting to grow, and of course ideal for rock-gardens; 6 to 12 inches; sow October to May. Pkt. 15c.

RUDBECKIA, Cone Flower. rud-beck'-i-a.

Indian Maid. Golden yellow, single daisies, with brown cone-shaped centers, for borders or cutting, in sun or partial shade; 3 feet; sow August to May. Germination period 8 to 10 days.

Starlight, primrose yellow to mahogany and bi-colors, semi-double. Pkts. 15c.

SALPIGLOSSIS, gloxiniae flora, Painted Glories. sal-pi-glos'-is.

Rose, red yellow, purple, and white large rich velvety flowers mostly veined with gold, for a striking bed or bouquet; 2½ feet; sow November to May, preferably early as they make their best growth during cool weather. Sow where to remain, or transplant young. Germination period 2 weeks.

Emperor Mixed. $\frac{1}{4}$ -oz. 45c; Pkt. 10c.

SEMI-DWARF (New sturdy strain; 1½ feet):

Blue-and-Silver, mid-blue veined silver.

Golden Rose, rich rose, golden veins and stripes.

Red Star Chamois, buff-yellow, broad red stripes, star-like from gold throat.

Mixed. Large Pkts. 35c; small, 15c.

SALVIA, Sage. Per. sal'-vi-a.

Red or blue flowers in spikes, for summer and fall beds; bloom first year; sow February to May. Germination period 2 weeks.

Farnacea, Blue Bedder, mid-blue, wooly stems and bracts.

Harbinger, compact, vivid scarlet; 1 foot. Pkt. 25c.

Patens, pure indigo blue. Pkts. 15c.

Splendens Bonfire; 2 feet; bright red. Pkt. 10c.

SANVITALIA procumbens. san-vi-tal'-i-a.

Orange-yellow, zinnia-like flowers on trailing plant for hot, dry situations; 6 inches; sow January to May. Germination period 10 days. $\frac{1}{8}$ -oz. 50c; Pkt. 10c.

SAPONARIA vaccaria rosea. sap-o-nair'-i-a.

Rose flowers in graceful sprays, like a large-flowered Gypsophila; 2 feet; sow February to April. Germination period 10 days. $\frac{1}{4}$ -oz. 25c; Pkt. 10c.

SCABIOSA, Pincushion Flower.

Blue, pink, white, yellow, scarlet, and crimson, large double flowers on long stems for beds and bouquets; 3 feet. Germination period 2 to 3 weeks.

Cultural Note: Annual Scabiosas, although they will bloom in summer, do best in cool spring months. Hence, advisable to sow in early fall in warm sections, and in late winter in cold climates. In So. Calif., plants winter over and give their best flowers early this second spring. Thrive in sun, in any good soil.

Ageratum Blue, best mid-blue.

Azure Fairy, sky blue.

Blue Moon, new mid-blue, ball-shaped flowers on extra-long stems. (15c.)

Heavenly Blue, new dwarf (18 in.) azure blue. (15c.)

King of the Blacks, maroon red.

Loveliness, salmon pink.

Peace, new.

Rosette, deep rose pink (15c.)

Salmon Beauty, new, light salmon shades. (15c.)

Shasta Improved, giant pure white.

Giant Hybrids Mixed, large flowers, rare colors. $\frac{1}{4}$ -oz. 35c; Pkts. 10c.

CAUCASICA (2 feet). Per.

Isaac House Hybrids, shades of blue, lavender, and white. Pkt. 25c.

SCARLET RUNNER BEAN. Vine.

Bright red pea-flower on rapid vine with large edible pods; sow February to May. Lb. 75c; $\frac{1}{4}$ -lb. 25c; oz. 10c.

SCHIZANTHUS, Poor Man's Orchid. sky-zan'-thus.

Chamois, rose, lavender, and purple shades, beautifully marked and unusually formed flowers and fern-like foliage for pots or partly shaded beds; 1½ feet; sow November to May. Germination period 2 to 4 weeks.

Grandiflours Hybrids, Dr. Badger's Improved, the finest strain. Pkt. 25c; 5 for \$1.00.

Pansy-flowered, large, full, richly-colored blooms. New. Pkt. 25c; 5 for \$1.00.

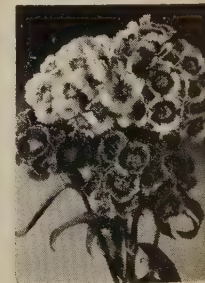
Grandiflora Mixed, for bedding or spring ground or bulb-cover. Pkt. 15c.



Isaac House Hybrids
Perennial Scabiosa



Sanvitalia
the Trailing Zinnia



Sweet William

SEDUM, Stonecrop. Per. see'-dum.

Succulent plants for pots, rockeries, and edgings; very easily grown; sow any month.

Many Species Mixed. Large Pkt. 35c; small, 15c.

SHASTA DAISY, Chrysanthemum maximum. Per.

Large white border and cutting flower; sow anytime. Germination period 10 to 14 days.

Alaska, largest-flowered; 2½ feet.

May Queen, more flowers, somewhat smaller; 2 feet. ¼ oz. 35c; Pkts. 10c.

Double and Crested Mixed, new beautiful strain, with large ball-shaped double flowers or single, anemone-centered blooms. Large Pkt. 50c; small 25c.

SIDALCEA. Per. sy-dal'-see-a.

Rose, mauve, and purple, hollyhock-like flowers in slender spikes for sunny borders and cutting; 3 to 4 feet; sow September to May.

Rose-Queen, rose-pink.

New Hybrids Mixed. 1/16-oz. 35c; Pkts. 15c.

SMILAX, Medeola asparagoides. Per. Vine.

Shade-loving vine with light green foliage, useful for decorating; sow January to May. Germination period 1 month. ¼-oz. 35c; Pkt. 15c.

SNAPDRAGON. See Antirrhinum.**HOUSE PLANTS FOR CHRISTMAS CHEER****SOLANUM, Jerusalem Cherry. soh-lay'-num.**

Clevelandi, Jerusalem Cherry: Large, bright red round berries on winter pot plant; 1 foot; sow May to August.

Christmas Pepper, Capsicum Frutescens.

Pepper, Floral Gem: Small, pointed peppers, varying in color from creamy-white, lavender, yellow, and orange, to red, edible (very hot!) but grown chiefly as a Christmas pot plant. Pkts. 15c.

STAR OF TEXAS. See Xanthisma.**STATICE. stat'-iss.**

Pink, blue, and yellow, small everlasting flowers in clusters; 3 feet; sow any time. Germination period 2 to 3 weeks.

Bonduelli, yellow.

Sinuata Rose, True Blue, Mixed.

Suworowii, Russian Rat Tail, rose. Pkts. 10c.

STATICE, Sea-Lavender. Per.

Straw-like flowers; basal leaves; 2 feet; sow any time.

Caspia, sprays of tiny lilac flowers, to mix in bouquets.

Perezii, rich deep blue flower clusters, effective in borders. Pkts. 15c.

STEVIA serrata. Per. stee'-vi-a.

White, fragrant, small flowers in large heads for beds and mixed bouquets; may be grown as an annual; 2 feet; sow January to May. 1/16 oz. 35c; Pkt. 10c.

STOCK.

Splendid fragrant bedding and cutting plant; sow July to March. Germination period 5 to 10 days.

Cultural Note: Stock seedlings should be transplanted early; plants must not suffer a check at any time as permanent stunting may result. Soil should be deep and rich, but well-drained, and never over-watered.

ANNUALS FOR THE ROCK GARDEN**Sow in Spring:**

Abronia	Dianthus	Rockery perennials
Anagallis	Helianthemum	mixed
Arabis	Iberis	Sanvitalia
Armeria	Gilia Fairy Stars	Thunbergia
Aubretia	Lobelia	Verbena
Candytuft	Marigold Dwarf	Zinnia
Dwarf	Nolana	Haageana
Cerastium	Portulaca	

Sow in Fall: Alyssum, Bellis, Brachycome, Campanula pusilla, Candytuft Dwarf, Cheiranthus, Dianthus, Dimorphotheca, Gilia, Linaria, Myosotis, Nemesis, Nemophila, Phacelia, Sedum, Virginian Stock.



Stocks

DWARF TEN-WEEK (15 inches), best summer flowering type, and only strain recommended for outdoor growth in East and Middle West.

Lavender.

Flesh Pink.

Rose Pink, a true rich pink.

All Colors Mixed. 1/16-oz. 35c; Pkts. 15c.

GIANT IMPERIAL, or Bismarck (2½ feet):

Antique Copper, bronzy-red.

Buttercup, deep cream.

Carmine Rose, rosy-red.

Chamois Rose, creamy rose.

Cream Pink, ivory tinted pink

Dark Blue, purple.

Elks' Pride, royal purple.

Fiery Blood Red, rich crimson

Flesh Pink.

All Colors Mixed. 1/16-oz. 45c; Pkt. 15c. Separate colors, Pkt. 20c; 6 for \$1.00.

*These varieties are in the California Giants group, an Improved Giant Imperial strain.

MAMMOTH BEAUTY OF NICE (2 feet):

Aurora, cream-tinted pink.

Beauty of Nice, flesh-pink.

Belle of Naples, old rose.

Many Shades Mixed. Pkt. 15c.

BROMPTON (Emperor or Winter; 1½ feet; flower March to May):

Celestine, light lavender.

Egyptian, large rose-pink (grows to 2½ feet).

Empress Elizabeth, bright deep pink.

Red Lady, bright red.

Violetta, deep violet-purple.

White Lady, pure white. Pkts. 25c; 5 for \$1.00.

COLONIAL (naturally base-branching; 2½ feet):

Priscilla, silvery lavender.

Mayflower, rose-red.

Puritan, pure white.

Rose Standish, new in '41, bright rose. Pkt. 20c.

Mixed. Pkts. 15c.

**STOKESIA cyanea, Cornflower Aster.** Per. stokes'-ia.

Rich lavender-blue, large, cornflower-like aster flowers, on stiff stems, for border and bouquets; 1 foot; sow December to April. Germination period 4 weeks. 1/16-oz. 45c; Pkt. 15c.

SUNFLOWER. See Helianthus.**SWEET WILLIAM, Dianthus barbatus.** Per.

Pink, red, and white flowers, like small pinks, in large clusters for beds and bouquets; 1½ to 2 feet; sow October to May. Germination period 7 days.

Newport Pink (Pink Beauty), salmon rose.

Scarlet Beauty, bright red.

Giant White, new, very large flowers in immense trusses like Per. Phlox.

Single Mixed, all colors. ¼-oz. 40c; Pkts. 10c.

Double Mixed, all colors. ¼-oz. 50c; Pkt. 15c.

Annual Sweet William. Use Sweet Wivelsfield.

SWEET SULTAN. See Centaurea imperialis.**SWEET WIVELSFIELD, Dianthus barbaratus x Chinensis.**

A cross between Sweet William and the annual Chinese Pinks; beautifully-marked flowers in clusters; very early and free-flowering; 1 foot; sow anytime. Germination period 1 week. ¼-oz. 45c; Pkt. 10c.

TAHOKA DAISY

Large lavender, yellow-eyed daisies on long stems for cutting and show; feathery foliage; 1½ feet; sow February to May. Pkt. 15c.

TEXAS BLUE BONNET. See Lupinus texensis.**THALICTRUM dipterocarpum, Meadow Rue.** Per. tha-lick'-trum.

Rosy-purple, yellow-anthered flowers in plumes, with maiden-hair-fern foliage, in August and September; 4 feet; sow October to May. Germination period 30 days. 1/16-oz. 40c; Pkt. 15c.

SWEET PEAS, Lathyrus odoratus.

Early Flowering Spencer is the best strain for California and the south, or for greenhouse use anywhere, blooming from December to June if planted in August or September; flowers are very large, wavy, 3 to 4 on long stems; sow August to March. Germination period 10 days. Ask for special Sweet Pea Circular, printed each July, listing new varieties and giving cultural suggestions.

Outstanding New Varieties. Pkt. 25c.

Clipper, large purest white Duplex.

Dawn, deep chamois pink.

Fortyniner, glowing orange, frilled.

Geranium, salmon cerise.

Mariner, clear marine blue.

Top Sargeant, deep blood red.

Leading Popular Varieties. Oz. 50c; ½-oz. 30c; ¼-oz. 20c; Pkts. 10c.

Bacchus, Red-Purple.

Bridesmaid, Silver Pink.

Blue Danube, Clear Blue.

Boon, Coral or Flame-Pink.

Cinderella, Light Blue.

Daphne, Salmon-and-Cream.

Gardenia, Fragrant White.

Mars, Rich Blood-Red.

Memory, Orchid-Lavender.

Oriental, deepest Cream.

Othello, deepest Maroon.

Shirley Temple, Rose-Pink.

Top Hat, Blue-Purple.

Tops, bright rose-pink, yielding 5 and 6 giant flowers per stem.

Vulcan, Vivid Scarlet.

Campbell's Special Mixture of Named Early Spencers contains all the above varieties. Oz. 45c; ½-oz. 25c; ¼-oz. 15c.

Spring-Flowering Spencers (new group, commencing to flower about April 1 and continuing into summer from late fall sowings. Have greater vigor and resistance to drought than any other Sweet Peas. An excellent strain for a second or follow-up crop to the winter-and-spring-flowering Early Spencers):

Mid-Blue; Lavender; Mauve-Lilac; Rose-Pink; Salmon-Rose; and White. Pkts. 15c; 5 for 60c.

Late Spencer Mixed (bloom by May). Oz. 35c; ½-oz. 20c; Pkt. 15c.

Dwarf Spencer, for bedding (bushy plants; 1 foot):

Bo-Peep, new early salmon pink. Pkt. 15c.

THUNBERGIA alata, Black-eyed Susan. thun-ber'-ji-a.

Orange, yellow, white, large flowers with black centers on vigorous trailer; sow February to June. Germination period 2 weeks. **Mixed.** ¼-oz. 30c; Pkt. 10c.

THUNBERGIA Gibsoni. Per. Vine.

Rich orange, large and showy flowers on tender climber or trailer, for greenhouse or sheltered position outdoors; sow, inside, anytime; outside, April to July. Germination period 2 weeks. Pkt. 25c.

TIDY TIPS. See Layia elegans under Wildflowers, page 29.**TITHONIA speciosa, Mexican Sunflower.** ti-thoh'-ni-a.

Orange-scarlet, glistening flowers, like large single Dahlias, on rapid-growing, shrub-like annual for backgrounds and cutting; 6 to 9 feet; sow March to June. Germination period 25 days. Bloom Oct.-Nov.

Bright Orange.

Fireball, new vivid orange-scarlet. 1/16-oz. 60c; Pkts. 15c.

TORENIA fournieri.

Rich blue flowers with golden centers, in profusion, for pots or beds; 9 inches; sow February to June. Germination period 2 weeks. Pkt. 15c.

TRACHELIUM coeruleum. Per. tra-kee'-li-'um.

Tiny flowers in large, feathery heads, long-stemmed and excellent for cutting as well as garden-show; 1½ feet; sow February to May. Pkt. 15c.

TRITOMA, Red Hot Poker; Kniphofia. Per. try-toh'-ma.

Red, orange and yellow flowers, in large spear-shaped heads; foliage grass-like; 3 feet; sow March to June; early sowings often bloom first season. Germination period 3 weeks.

Pfitzer's Hybrid Red, large and brilliant.

Hybrids Mixed, all shades. Pkts. 15c.

VALERIANA, Garden Heliotrope. va-leer-i-an'-a.

Rose, red, white, fragrant small flowers in heads, very freely produced; 2½ feet; sow December to April.
Rose-red, White, Mixed. ⅛-oz. 25c; Pkts. 10c.

VENIDIUM fastuosum. ve-nid'-i-um.

Glossy orange daisies with purple-black zone, 4 to 5 inches across, striking in the garden or cut; 2 to 3 feet; sow January to May. Germination period 12 to 25 days. Avoid over-watering.

Vivid Orange; New Hybrids, in a mixture of shades from orange through yellows to cream and white. Pkts. 15c.

VERBENA hybrida. Per. ver-bee'-na.

Pink, rose, red, lavender, blue, purple, white flowers in clusters, brilliant for bedding, and trailing ground-cover; 1 foot; sow December to August. Germination period 10 to 15 days.

GIGANTEA (each floret in cluster usually as large as a quarter):

Blue, deep blue, white eye.
Floradale Beauty, new, salmon-rose shades.
Lavender Glory, large, best lavender.
Spectrum Red, intense red.
Spitfire, new, huge scarlet-rose florets.
White, pure white.
Mixed, including other shades. ⅛-oz. 45c; Pkts. 15c.

ERECT, CUTTING VARIETIES:

Blue Sentinel, new velvety blue-violet.
Royal Bouquet Mixed. Pkts. 15c.

TRAILING VARIETIES:

Erinoides, small heads, fern-like foliage.
Purple; White. ⅛-oz. 50c; Pkts. 10c.
Venosa, thrifty grower, purple head. **Lilacina,** lavender-blue. ⅛-oz. 40c; Pkts. 10c.
Bonariensis (New), tall perennial to 5 feet, with rosy-purple flowers. Pkt. 15c.

ANNUAL VERBENA:

Golden Queen, good yellow; 1 foot; sow November to May. Pkt. 15c.

VERONICA spicata. Per.

Rich deep blue, tiny tubular flowers in long, pointed spikes for borders; 1½ feet; sow March to August. Pkt. 15c.

VINCA rosea, Periwinkle. Per.

Pink and white, phlox-like, large flowers in sun or semi-shade; foliage dark, glossy green; 1 foot; sown February to April, will bloom same year. Germination period 2 weeks.
Rose; White; Mixed. ⅛-oz. 40c; Pkts. 10c.

VIOLA, Tufted Pansy.

Flowers, although smaller than pansies, are produced even more freely, and make Violas ideal bedding and border plants for winter and spring; 6 inches; sow July to March. Germination period 10 to 14 days.

Arkwright Ruby, new rich red. Pkt. 25c.
Bizarre, upper half purple, lower apricot. 25c.
Blue Perfection, large clear blue.
Blue Butterfly, new, dark blue, upper petals pale blue.
Chantrelleyland, improved apricot.
Firmament, turquoise blue.
Jersey Gem, rich deep blue. Pkt. 25c.
Lutea Splendens, bright yellow.
Papilio, blue, upper petals white.
Primrose Dame, soft light yellow.
Violet Papilio, deep blue.
White Perfection.
Bright Mixed, all colors. ⅛-oz. 75c; Pkts. 15c.
Johnny-Jump-Up, little purple-and-gold pansy-faces. for rockeries and edgings. Pkt. 15c.

VIRGINIAN STOCK, Malcolmia.

Rose, red, yellow, white, small single flowers cover these low, splendid winter and spring edging, bulb-bed and ground-cover plants; 6 inches; sow October to May. Germination period 12 days. **Rose** (turns lavender); **Crimson Gem; Yellow; White; Mixed.** Oz. 40c; ½-oz. 30c; Pkt. 10c.

VISCARIA oculata. vis-kair'-i-a.

Blue, pink, and white, large flax-like flowers, very effective in beds and bouquets; 1 foot; sow October to April.
Delphinium Blue; Rose-Pink; Mixed. ⅛-oz. 35c; Pkts. 10c.

WILD CUCUMBER, Echinocystis lobata. Vine.

Quick shade vine or ground-cover trailer, with attractive, light green foliage, and curious prickly fruits (a hardy native gourd); sow March to June. Germination period 10 to 20 days. ½-oz. 30c; Pkt. 10c.



Zinnia, Crown O' Gold, Pastel Tints

WALLFLOWER

Rich reds, browns, yellows; fragrant, stock-like flowers, for bedding and cutting; 1 to 2 feet; sow September to March. Germination period 10 to 14 days.

Single Annual; Blood Red, Paris Brown, Yellow, Mixed. ½-oz. 30c; Pkts. 10c.

Double Mixed. (Early Wonder), 1/16-oz. 30c; Pkt. 15c.
Single Perennial Mixed. Pkt. 15c.

XANTHISMA texanum, Star of Texas. zan-this'-ma.

Large soft yellow daisies with long, pointed petals; plants form erect bushes, 1½ feet tall; drought-resistant; sow March to June. Pkt. 15c.

XERANTHEMUM. zer-an'-the-mum.

Pink, lilac, white, silky everlasting flowers, stiff-stemmed; 2 feet; sow February to May. Germination period 10 to 14 days. **Double Mixed.** Pkt. 10c.

ZINNIA. zin'-ni-a.

Our summer specialty. Pinks, reds, yellows, and purples, in vivid shades, unexcelled for summer bedding and cut-flowers. Sow February to July. Germination period 5 to 10 days.

Cultural Note: Sow Zinnia seed where the plants are to bloom if this is at all possible; otherwise transplant when the seedlings are small. When watering, rather than use the sprinkler irrigate by the trench method and let the water run slowly for several hours until it has soaked down thoroughly into the ground through and beyond the roots. You will then have maximum results, yet need to water the plants only once every two weeks if the top soil is properly cultivated a day or so after each irrigation.

DAHLIA-FLOWERED, huge, loose-petalled, cup-centered flowers; 2½ to 3 feet:

Canary Bird, bright yellow.
Crimson Monarch, huge rich red.
Dream, deep rosy lavender.
Eldorado, salmon-apricot shades.
Exquisite, light rose with deeper center.
Illumination, deep rose.
Golden State, orange-yellow.
Luminosa, vivid deep pink.
Meteor, the deepest red.
Oriole, orange and gold bicolor.
Polar Bear, large white.
Royal Purple, new, deep rich purple.
Will Rogers, improved new scarlet.
Gold Medal Mixed (blended from named varieties). Oz. \$1.25; ¼-oz. 35c; Pkts. 15c, 7 for 85c.
Pastel Shades Mixed. Prices same as Gold Medal. Mixed.

Continued on next page.

ZINNIA—Continued.

CALIFORNIA GIANTS, Giant Mammoth; huge, close-petalled, flat-topped blooms; longer-stemmed than the Dahlia-flowered type; 3 to 3½ feet:

Apricot Queen, beautiful salmon-orange.

Daffodil Improved, canary yellow.

Enchantress, light rose with deeper center.

Golden Queen, deep yellow.

Grenadier, deep rosy-red.

Lavender Queen, rosy lavender.

Miss Willmott, soft pink.

Orange King, rich deep orange.

Purity, pure white.

Rose Queen, deep rose.

Named Varieties Mixed, all colors. Oz. \$1.25; ¼-oz. 35c; Pkts. 15c. 7 for 85c.

Crown o' Gold, a new and pleasing Giant Dahlia-flowered Zinnia, with golden yellow overlaid on the base of the petals.

Super Crown o' Gold Pastel Mixture; the aristocrat of Zinnias. ¼-oz. 60c; Pkt. 15c.

PUMILA ELEGANS, Cut and Come Again, medium sized flowers with the truest Zinnia colors; 2 feet:

Canary Yellow; **Crimson**; **Golden Orange**; **Salmon Rose**;

Scarlet; **Spun Gold**, new cream-yellow; **All Colors Mixed**.

Oz. \$1.00; ¼-oz. 30c; Pkts. 10c.

FANTASY (new, informal Chrysanthemum-flowered type with slender, daintily-twisted petals):

Orange Lady, orange.

Rosalie, old rose.

White Light, pure white.

Wildfire, new bright scarlet. Pkt. 15c.

Mixed (all Zinnia colors). ¼-oz. 45c; Pkts. 10c.

HARMONY TYPE (formerly called Scabious-flowered; crested or mounted center of small petals, surrounded by a row of broad petals):

Campfire, vivid scarlet.

Sunburst, bright yellow.

Mixed (all Zinnia colors). ⅓-oz. 35c; Pkts. 15c.

NAVAJO, Gaillardia-flowered, new, two-toned, medium-sized flowers. **Mixed**. Pkt. 15c.

POMPON, Lilliput: Small, very double flowers, fine for edgings and bouquets; 1 to 1½ feet.

Canary Yellow; **Crimson Gem**; **Golden Gem**; **Lavender Gem**;

Salmon Rose; **Red Riding Hood**, scarlet; **Valencia**, burnt orange; **White**.

PASTEL SHADES MIXED, new, soft colors found in no other Zinnia.

All Colors Mixed. Oz. \$1.25; ¼-oz. 35c; Pkts. 10c.

Black Ruby, new.

CUPID, new, with small, button-like flowers useful for cutting, on 1-foot plants. **Mixed**. ⅓-oz. 35c; Pkt. 15c.

TOM THUMB LILLIPUT (extra dwarf; 5 inches; very compact, for edgings and pots). **All Colors Mixed**.

ZINNIA haageana, Mexican Zinnia.

Many unusual and attractive combinations of red, bronze, and orange, with yellow, cream, and white, as well as plain colors, make this dwarf Zinnia beautiful for beds; the stems are long enough for cutting; 1 to 2 feet; sow March to July. Germination period 5 to 10 days.

Hybrid Mixed. ⅓-oz. 35c; Pkt. 10c.

ZINNIA linearis.

New species with single, glistening orange-and-gold flowers on slender stems all summer and fall on compact 8-inch plants, ideal for showy summer bedding. Sow March to July. 1/16-oz. 30c; Pkt. 10c.

ZINNIA, Trailing. See Sanvitalia.



Vendium, p. 26



New Zinnia Navajo



Zinnia Linearis

CALIFORNIA WILD FLOWERS and THEIR ARISTOCRATIC RELATIVES

Many California Wild Flowers have proven their value to gardens and have, consequently, been bred and developed into first-class garden plants. We have grouped these seeds together for the convenience of those interested in California plants which have supplied gardens with lovely and showy annuals.

WILD FLOWER MIXTURES, CALIFORNIA.

Will grow almost anywhere, cover vacant lots and bare corners, and furnish cut-flowers. An ideal souvenir!

Cultural Note: Best sown in late fall in all climates, since they will bloom in late winter and spring in a mild region, yet lie dormant and sprout and bloom in early spring in the cold sections of the U. S. They may still be sown, with sure results, as late as April in Southern Calif., and June in the cooler sections. Broadcasting the seed, mixed with sand, over finely-pulverized soil in the open is the best plan. Rake-in very lightly, or merely cover with scattered soil or peat. If in the fall, do not water; if in the spring when natural rainfall cannot be depended upon, keep moist until sprouted, and irrigate thereafter.

Campbell's Special Mixtures, in contrast to many cheap mixtures, contains only California natives. The two mixtures are alike (with more than 30 species represented, to give a long and interesting season of bloom), with this exception: There is no California Poppy in mixture No. 2, for those who may have these bright flowers already established.

Mixture No. 1, including California Poppies. Lb. \$6.00; ¼-lb. \$1.75; oz. 60c; ½-oz. 40c; Pkt. 10c.

Mixture No. 2, all varieties except California Poppy. Lb. \$7.00; ¼-lb. \$2.00; oz. 75c; ½-oz. 50c; Pkt. 10c.

Souvenir Collection of 10 Dependable California Wild Flowers, in separate 10c packets, our selection. **Special for 60c.**

ABRONIA umbellata, Sand Verbena. a-broh'-ni-a.

Rosy-lilac, verbena-like flowers, fragrant at night; trailer for sunny rockery or window box; sow November to April. ½-oz. 40c; Pkt. 10c.

BARTONIA, Mentzelia, Blazing Star. bar-tone'-i-a.

Golden yellow, large, silken-petalled flowers with many stamens; Calif. native, for sun and sandy soil; 2 feet; sow November to April. Germination period 5 to 10 days. ½-oz. 45c; Pkt. 10c.

CLARKIA elegans. clark'-i-a.

Pink rose, red, purple, and white double carnation-like flowers along spikes, beautiful in the garden or cut; 2 feet; sow November to April. Germination period 2 weeks.

Albatross, fine upright white. **Firebrand**, orange-scarlet.

Apple Blossom, delicate pink. **La France**, salmon pink.

Pkts. 10c; 3 for 25c.

All Colors Mixed. ¼-oz. 30c; Pkt. 10c.

COLLINSIA bicolor, Innocence. kol-lin'-si-a.

Blue-and-white flowers in spikes; Calif. native for sun and shade; 15 inches; sow November to April. Germination period 2 weeks. Oz. 80c; ¼-oz. 45c; Pkt. 15c.

PERFECT PERMANENT LABELS

Made of heavy green celluloid composition. Takes lead pencil marks perfectly. Weather proof in all soils and seasons.

Tie-on Label. 3½ in. x ¼ in. Doz. 40c; 100, \$3.00.

Pot Label. 4 in. x ¼ in. Doz. 35c; 100, \$2.50.

Border Label. 5 in. x 2 in. wide. Doz. \$1.00; 25, \$2.00.

Rock Garden Label. 4 x 1¼ in. Doz. 90c; 25, \$1.75.

Show Garden Label. 7 x 2½ in. Doz. \$1.25; 25, \$2.50.

California Poppies

ESCHSCHOLTZIA, California Poppy. esholt'-zi-a.

Orange, crimson, rose, yellow, and white, showy, glossy-petalled flowers for bedding, ground cover on vacant lots, and bouquets (cut the flowers early, before they open); 1 foot; sow August to March. Germination period 10 days.

Aurantiaca, orange (True native poppy). Lb. \$3.50; ¼-lb. 90c; oz. 35c; ½-oz. 25c.

Ballet Girl, carmine outside, cream inside.

Cherry Ripe, semi-double cherry red.

Fringed Yellow, buttercup-yellow.

Golden West, yellow with orange center. Oz. 30c; ½-oz. 20c.

Lovely, salmon rose.

Scarlet Beauty, best bright red, single.

White.

Common Mixed (orange, yellow, and white). Lb. \$2.50; oz. 25c; ½-oz. 15c.

Hybrida Mixed (all new and unusual shades). ½-lb. \$6.00; ¼-lb. \$3.50; oz. \$1.00; ¼-oz. 30c; Pkts. of all above, 10c.

Monarch Art Shades, lovely, semi-double mixture. Fkt. 15c.

Sweetheart, new shade, rich salmon-rose on cream, fully-double, plants dwarf and compact. Pkt. 15c.

GAURA lindheimeri. gau'-ra.

White flowers, tinged pink, in spikes on strong, graceful plant from July to November; likes sun, stands drought; 3 feet; sow February to May. Pkt. 10c.

GILIA. gil'-i-a.

Natives, easily and quickly grown; sow November to May. Germination period 10 days.

Capitata (Thimble Flower, 2 feet), with lavender-blue flowers in globular heads on long stems. Oz. 60c; Pkt. 10c.

Tricolor (Bird's Eyes, 1 foot), with lilac flowers spotted yellow and purple in center. Oz. 55c; Pkt. 10c.

Micrantha (Fairy Stars), with tiny flowers on neat 6-inch plants for ground cover, rockery, or cut, for miniature bouquets, in a mixture of salmon, pink, copper, yellow, and cream. ¼-oz. 35c; Pkt. 10c.

Liniflora; Lavender or white, single, flax-like flowers on long stems for cutting; 15 inches. **White Swan**, pure white;

Bunch of Lilacs, lavender-blue. **Mixed**. ¼-oz. 45c; Pkt. 10c.

GODETIA. go-dee'-she-a.

Pink, rose, red, and white, large satiny flowers for showy beds in sun or partial shade, and bouquets (all the buds open in water); sow November to May. Germination period 2 weeks.

HALF-DWARF (1½ feet; flowers in clusters):

Duke of York, rich scarlet, edged white.

Kelvedon Glory, salmon-apricot.

Sybil Sherwood, soft salmon-pink. We offer both single, Pkt. 10c; and double, Pkt. 15c.

White Swan, large, pure white.

Single Varieties Mixed.

Double Azalea-flowered Mixed. ½-oz. \$1.00; ¼-oz. 35c; Pkts. 10c.

TALL (2½ feet; double flowers in spikes):

Carmine Improved.

Rosy Morn, bright pink.

Campbell's Exquisite Mixture. ¼-oz. 35c; Pkts. 10c.

LAVATERA assurgentiflora, California Windbreak. Per.

Rose-pink flowers on fast-growing shrub-like perennial; evergreen in mild climates; kills out in severe; 10 feet; sow March to July. Germination period 3 to 5 weeks. ½-oz. 40c; Pkt. 10c.

LAYIA elegans, Tidy Tips. lay'-i-a.

Yellow daisy, petals edged, with creamy-white, for quick spring show and cutting; one of the finest California natives; 1½ feet; sow October to April. Pkt. 10c.

LEPTOSYNE stillmanni, Wild Coreopsis.

Yellow daisy-flowers for cutting, six weeks after sowing; California wildflower; 1½ feet; sow October to April. Germination period 10 days.

Single, ¼-oz. 60c; Pkt. 10c.

Double, Golden Rosette, large yellow. Pkt. 15c.

LIMNANTHES douglasi. Meadow Foam.

White-and-yellow, fragrant flowers, effective in beds or edgings, in moist partial shade; native; 6 inches; sow November to April. Pkt. 10c.

LUPINUS nanus

One foot; deep blue. For the rock garden. Pkt. 10c.

MIMULUS. mim'-you-lus.

Moschatus, Musk Plant; small yellow flowers on scented bushy plant in shade or pots.

Tigrinus, Monkey Flower; white, yellow, orange, copper and red, showy spotted flowers for partial shade; 10 inches; sow March to June. Germination period 5 to 10 days. **Queen's Prize Mixed**. Pkts. 15c.

NEMOPHILA insignis, Baby Blue Eyes. nem-off'-i-la.

Sky-blue or white cups; California native; for beds and bulb-cover in sun or partial shade; 6 inches; sow where to remain, October to May. Germination period 7 to 10 days.

Maculata, spotted lavender. **Giant White. Clear Blue**. Oz. 35c; ½-oz. 20c; Pkts. 10c.

ORTHOCARPUS purpurascens, Owl's Clover.

California native; pink blooms; sow late Fall. Pkt. 10c.

PHACELIA. fa-see'-li-a.

Blue shades; native; sow November to April. Germination period 15 days.

Blue Plate (Viscida); 1 foot; with large brilliant blue flowers for bedding. ¼-oz. 45c; Pkt. 10c.

Campanularia (California Blue Bell; 6 inches), gentian-blue bell-flowers for edging, flowering quickly. ¼-oz. 35c; Pkt. 10c.

Tanacetifolia (Wild Heliotrope; 2 feet), mauve-blue cluster, good for bees. ½-oz. 25c; Pkt. 10c.

Whitlavia (Wild Canterbury Bell; 1 foot), dark blue bells in sun, or partly-shaded beds. ¼-oz. 35c; Pkt. 10c.

PLATYSTEMON californicus, Cream Cups. plat-i-stee'-mon.

Native; creamy-white flowers like miniature double Shirley poppies; sow October to March in full sun, where to remain. ¼-oz. 45c; Pkt. 15c.

ROMNEYA coulteri, Matilija Tree Poppy. Per. rom'-nee-a.

White flowers, 6 inches across, with many yellow stamens; shrubby, handsome plant, with silvery leaves; 5 feet; sow August to March, allowing 3 to 9 months for germination. Pkt. 15c.



Sand Verbena
Abronia, Calif.



A Favorite in Campbell's
Wild Flower Mixtures.
Phacelia Whitlavia, the
Wild Canterbury Bell.



Baby Blue Eyes

CAMPBELL'S SIMPLIFIED PLANTING CHART for Flowers

NAME	Sow	Where	Bloom	Height	NAME	Sow	Where	Bloom	Height
Abutilon	Feb.-April	Glass	June-Sept.	3 ft.	Kochia	Jan.-June	Open	Foliage	2-3 ft.
Achillea	March-July	Flat	April-July	2 ft.	Lantana	Jan.-April	Flat	May-Nov.	1-5 ft.
Acroclinium	Nov.-March	Open	April-July	1½ ft.	Lathyrus	Nov.-May	Open	June-Aug.	
Agathe	March-Aug.	Flat	All Year	1½ ft.	Larkspur	Sept.-March	Open	April-July	3-5 ft.
Ageratum	Feb.-Aug.	Flat	June-Oct.	½-2 ft.	Lavender	Oct.-March	Flat	April-June	2 ft.
Agrostemma	March-Sept.	Flat	June-July	2 ft.	Leptosyne	Sept.-Apr.	Open	April-Sept.	1½ ft.
Alyssum Sweet	Anytime	Open	All Year	6 in.	Linaria	Sept.-May	Open	Jan.-Aug.	15 in.
Alyssum	March-June	Flat	April-May	10 in.	Linum rubrum	Anytime	Open	All Year	2 ft.
Anagallis	March-June	Open	May-Aug.	8 in.	Lobelia	Jan.-May	Flat	May-Nov.	4 in.
Anemone	July-Nov.	F-O	March-April	8 in.	Lupinus	Dec.-April	Open	March-July	1-3 ft.
Antirrhinum	July-Feb.	Flat	Jan.-July	½-4 ft.	Marigold	Jan.-July	Flat	July-Nov.	1-3 ft.
Aquilegia	April-Aug.	Flat	May-July	3 ft.	Mignonette	Anytime	Open	All Year	1 ft.
Arabis	Anytime	Flat	Feb.-April	8 in.	Mimulus	March-June	Flat	May-Aug.	10 in.
Arctotis	Anytime	Flat	All Year	1½ ft.	Mina lobata	Feb.-May	Open	Aug.-Nov.	
Aster	Feb.-June	Flat	July-Sept.	2½ ft.	Morning Glory	March-June	Open	June-Nov.	
Aster	Feb.-June	Flat	Sept.-Nov.	8 ft.	Myosotis	Aug.-Oct.	F-O	Feb.-June	1 ft.
Aubretia	Jan.-May	Flat	Feb.-April	6 in.	Nasturtium	Anytime	Open	Jan.-Aug.	10 in.
Balsam	March-May	F-O	June-Sept.	1½ ft.	Nemesia	Oct.-April	F-O	Feb.-June	1 ft.
Bartonia	Nov.-April	Open	March-July	2 ft.	Nemophila	Oct.-May	Open	Jan.-Aug.	10 in.
Begonia	Jan.-May	Glass	All Year	6 in.	Nicotiana	Oct.-June	Open	Feb.-June	1 ft.
Bellis	Oct.-April	Flat	Feb.-Aug.	6 in.	Nierembergia	Jan.-April	Flat	March-June	6 in.
Brachycome	Nov.-April	Open	March-July	10 in.	Pansy	July-Dec.	Flat	Oct.-July	6 in.
Browallia	Sept.-March	Open	Jan.-June	1 ft.	Penstemon	Aug.-Nov.	Flat	March-Nov.	2 ft.
Calceolaria	Aug.-Dec.	Glass	Jan.-May	1 ft.	Petunia	Jan.-July	Flat	Mar.-Nov.	6-30 in.
Calendula	July-March	Flat	Dec.-June	2 ft.	Phacelia	Nov.-April	Open	March-July	1-2 ft.
Campanula	April-July	Flat	May-July	3 ft.	Phlox Drummondii	Jan.-July	F-O	April-Nov.	1 ft.
Calliopsis	March-July	Open	June-Oct.	1-3 ft.	Poppy, Iceland	Aug.-March	F-O	Jan.-July	1½ ft.
Candytuft	Nov.-May	Open	March-Aug.	1 ft.	Poppy, Shirley	Nov.-May	Open	March-July	1½ ft.
Carnation	Oct.-April	Flat	May-Oct.	1½ ft.	Portulaca	Feb.-May	F-O	June-Oct.	6 in.
Celosia	March-May	Flat	July-Oct.	1-2 ft.	Primula poly.	Nov.-May	Flat	March-May	6 in.
Centaurea	Nov.-May	F-O	March-Aug.	1-3 ft.	Primula malac.	May-Oct.	Flat	Dec.-May	1 ft.
Chrysanthemum	Feb.-May	Flat	Sept.-Dec.	3 ft.	Pyrethrum	Sept.-May	Flat	March-June	1½ ft.
Cineraria	June-Oct.	Flat	Feb.-June	1-3 ft.	Ranunculus	July-Nov.	F-O	Feb.-May	1 ft.
Clarkia	Nov.-April	Open	April-July	2 ft.	Rehmannia	Oct.-April	Flat	March-Oct.	2-4 ft.
Cobaea	Feb.-May	Open	July-Aug.		Rudbeckia	Aug.-May	Flat	Aug.-Nov.	2 ft.
Coleus	Feb.-May	Glass	Foliage	1-2 ft.	Saintpaulia	Anytime	Glass	All Year	6 in.
Collinsia	Nov.-April	Open	March-June	15 in.	Salpiglossis	Nov.-May	F-O	April-Sept.	2 ft.
Cosmos	March-July	Open	June-Oct.	3-5 ft.	Salvia	Feb.-May	Flat	June-Sept.	1-2 ft.
Coreopsis	Nov.-March	Flat	May-Aug.	3 ft.	Saponaria	Feb.-April	Open	April-July	2 ft.
Cyclamen	June-Aug.	Flat	Oct.-May	1 ft.	Scabiosa	Oct.-May	F-O	Mar.-Sept.	2½ ft.
Cynoglossum	Oct.-March	F-O	March-July	2 ft.	Schizanthus	Nov.-May	F-O	March-July	1½ ft.
Cypress Vine	March-May	Open	July-Sept.		Shasta Daisy	Anytime	Flat	May-Aug.	2 ft.
Dahlia	Feb.-May	F-O	July-Oct.	1-6 ft.	Statice	Anytime	Flat	All Year	2 ft.
Delphinium	Anytime	Flat	April-Oct.	5 ft.	Stevia	Jan.-May	F-O	Dec.-May	2 ft.
Dianthus	Feb.-May	Flat	All Year	1 ft.	Stock	July-March	Flat	Dec.-June	2 ft.
Didiscus	Feb.-May	F-O	June-Sept.	2½ ft.	Stokesia	Dec.-April	Flat	July-Sept.	2 ft.
Digitalis	March-June	Flat	April-July	4 ft.	Streptocarpus	Nov.-March	Glass	April-Oct.	6 in.
Dimorphotheca	Anytime	F-O	Nov.-June	1 ft.	Sweet William	Oct.-May	Flat	April-July	1½ ft.
Eschscholtzia	Aug.-March	Open	Jan-May	1 ft	Thalictrum	Oct.-May	Flat	Aug.-Sept.	4 ft.
Gaillardia	Sept.-April	Flat	March-Sept.	2 ft.	Tithonia	March-June	F-O	Sept.-Nov.	6-8 ft.
Gaura	Feb.-May	F-O	July-Nov.	3 ft.	Torenia	Feb.-June	Flat	July-Oct.	9 in.
Gerbera	Anytime	Flat	All Year	1½ ft.	Trachelium	Feb.-May	Flat	June-Sept.	1½ ft.
Geum	July-Sept.	Flat	April-July	1-2 ft.	Valeriana	Dec.-April	F-O	June-Sept.	2½ ft.
Gilia	Nov.-May	Open	June-Oct.	1 ft.	Venidium	Jan.-May	F-O	March-July	2 ft.
Gloxinia	Jan.-April	Glass	March-Aug.	1-2 ft.	Verbena	Dec.-Aug.	F-O	March-Nov.	1 ft.
Godetia	Nov.-May	Open	July-Oct.		Vinca	Feb.-April	Flat	May-Nov.	1 ft.
Gourds	March-June	Open			Viola	July-March	Flat	Oct.-June	6 in.
Gypsophila	Anytime	F-O	All Year	2 ft.	Virginian Stock	Oct.-May	Open	Jan.-July	6 in.
Helichrysum	Oct.-May	F-O	April-Sept.	3 ft.	Violet	Sept.-May	Flat	Jan.-May	6 in.
Heliotrope	Feb.-May	Flat	June-Nov.	3 ft.	Viscaria	Oct.-April	F-O	April-June	1 ft.
Heuchera	July-March	Flat	May-Aug.	1½ ft.	Wallflower	Sept.-March	F-O	Jan.-June	1½ ft.
Hollyhock	Feb.-Aug.	F-O	June-Sept.	5 ft.	Zinnia	Feb.-July	F-O	June-Nov.	1-3 ft.
Hunneemannia	Nov.-April	F-O	June-Sept.	2 ft.					
Iberis			Feb.-June	1 ft.					
Impatiens	March-June	Flat	June-Oct.	1½ ft.					

FURTHER INFORMATION CAN BE OBTAINED BY VISITING OUR STORE

137 West Colorado Street . . . Pasadena, California

CAMPBELL'S SELECTED LIST OF BOOKS for GARDENERS

	Ill.	Pp.		Ill.	Pp.	
Alpines in the Garden, American.—McCully	17	251	\$2.50	Gourds, Garden of,—Bailey	42	134 1.50
Annuals, Book of,—Hottes	70	170	1.50	Greenhouse, Gardening in,—Dorrance	20	129 1.50
Annuals for Your Garden,—Foley (32 color ill.)		97	1.00	Herbs for the Kitchen,—Mazza. (Recipes, some culture)	..	275 2.00
Azaleas & Camellias,—Hume	14	99	1.00	Herbs, Their Culture & Uses,—Clarkson. (sketches)	..	226 2.75
Barbecue Book, Sunset's	117	71	1.00	Hortus 2nd, Concise Gard. Dict.—Bailey	35	778 12.00
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Bulbs, Book of,—Rockwell	187	264	2.50	Iris, —Rockwell	54	80 1.25
Bulbs in Color,—McFarland	375	296	1.98	Lawns,—Rockwell	39	87 1.25
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Cacti for Amateurs,—Haselton	1.00	Orchid Culture, American,—White (color)	124	260 5.00
Cactus Book,—Houghton	16	147	2.25	Orchids for Amateurs,—Briscoe (Eng.)	31	141 1.75
Cactus, Our Native,—Higgins	97	170	2.50	Perennials, Book of,—Hottes	70	200 2.00
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Chrysanthemums, Under Glass & Outdoors,—Laurie	33	118	1.50	Prune Western Shrubs, How to,—Martin. (35 diagrams)	..	110 1.00
Climbing Plants, Book of,—Hottes	79	250	1.50	Pronouncing Dictionary, Garden,—Hottes	..	117 .75
Dahlia Culture, Modern,—Waite (6 color plates)	70	134	1.50	Rock Garden, Common Sense in the,—Bissland	62	218 2.50
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Garden Encyclopedia (Eng.)—Sanders	505	477	3.50	Sunset's Complete Western Garden Book. (Many illustrations)	..	223 1.00
Garden Encyclopedia,—Seymour	many	1348	2.98	Sunset's Visual Garden Manual. (Fully illustrated and diagrammed)	..	149 1.00
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Gardener's Handbook,—Bailey	many	292	3.00			
v Gardening for Victory,—Putman & Cosper, (diagrammed and illustrated)	..	221	2.50			
Gladiolus,—Rockwell	45	79	1.25			

v Books of particular interest to Victory Gardeners.



DON'T FORGET TWISTEMS!

The handy invisible fasteners for tying-up plants. Made of wire covered with strong dark green paper. Will not injure plants yet strong and durable.

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Box of 125 (8 in.) or 250 (4 in.)



Made from soft and select hides. Semi-styled in design and used for both work and play—

GARDENING, DRIVING, HOUSEHOLD, ETC.

Give full protection with utmost comfort and finger freedom. Also soften the hands.

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LADIES' SIZES ONLY . . .
(Small, Medium, Large)

Price \$1.10 a pair

ROOTONE

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Geranium Cuttings—Treated and Untreated

ROOTONE, the plant hormone powder. Dip cuttings in Rootone before planting to give faster, better, more successful rooting. Mix flower, vegetable or grass seed with Rootone before planting to give faster growth and stronger roots. Easy to use. 1/4 oz. packet 25c. 2 oz. jar \$1.00. 1 lb. can \$5.00.

EVERYONE SHOULD HAVE A GARDEN . . . BUT DON'T WASTE SEED

Make your Victory Garden a Vegetable-Flower Garden. By careful choice of seeds and wise planning of available space both will grow to advantage. More vegetables can be grown and flowers too in amazing quantities. Very much depends on the area of ground available, but the average city backyard, which is probably the most restricted in size, will produce many green vegetables, a number of root vegetables, and vine crops if these are trained on the fence. Then flowers can be planted in just the right amount for color and accent to make the garden cheerful. Select old favorites and a few of the novelties for pleasant variety. There is no real need to tear up existing plantings for Victory Gardens in most cases, but we are sure you will be well repaid in luscious vegetables, pretty flowers and loads of fun for a little effort.

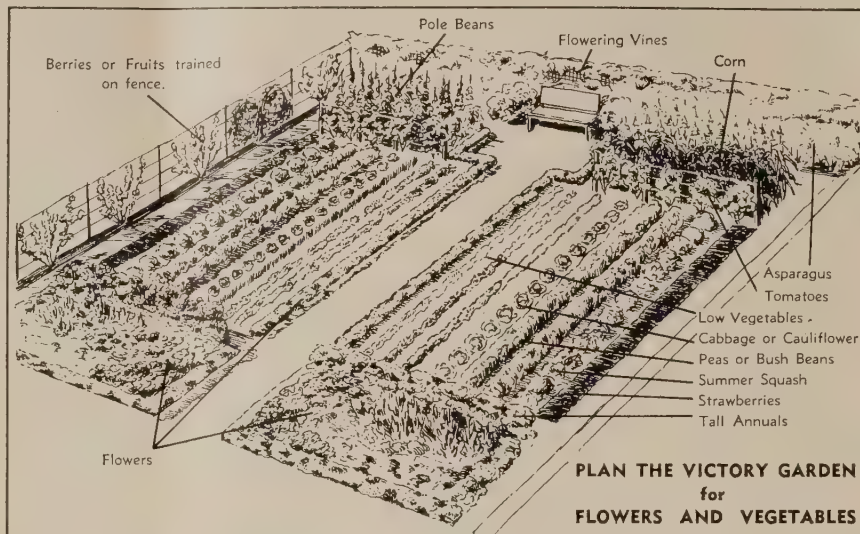
SUGGESTIONS FOR PLANTING A VICTORY GARDEN

Having decided on the plan of your garden the first thing to do is to mark off the paths and other areas that will not be spaded. Don't be in a hurry to get started. If the soil is wet and sticky from winter rains, better wait until it will crumble easily. Spading a heavy wet soil is hard work and may injure both your back and the soil. Seeds will germinate better when the soil becomes warmer, and many times those sown later outgrow others sown too early.

When the soil is just right to spade, start out with a long-tined fork or shovel, working across the beds from one side to the other, breaking the soil as it is turned over. Spade as deeply as possible by forcing the fork straight down, never in a slanting position. At the same time work in a good supply of commercial fertilizer and a four inch layer of manure.

Remember, seeds will grow best in carefully prepared soil. Let the garden stand a few days or a week. Then rake the surface smooth and level and mark off the rows.

Space between the rows varies with the type of vegetable; wide spreading kinds like peas and beans need more space



than carrots or beets. You will have to walk between the rows to tend your garden and gather its crop, so don't place rows too close together. Rows should run north and south to get the maximum benefit from the sun.

SOWING SEED. Most garden vegetables are sown in rows where they are to grow. When plants reach a height of two or three inches they should be thinned by pulling out the extra plants so those left will have room to grow. Leaf lettuce, radishes, beets, carrots and turnips are never treated this way. Instead pull the largest plants from all over the row when ready for use.

Melons, pumpkins, squash, corn, and pole beans are sown in "hills", usually placing 3 to 6 seeds in each group or hill. When all are growing the weaker are removed so the strongest two or three can mature.

Eggplant, tomato, pepper, cauliflower, and cabbage are tender and require a longer period to mature. They should be started indoors or in a greenhouse or frame during January or February. Sow the seed in flats of soil or large seed pans. Transplant once to flats spacing the plants two inches apart. About the time to plant them out gradually accustom them to colder air and when finally hardened plant them outdoors.

CULTIVATION is essential, especially between rows to keep down weeds, conserve moisture, and give a fresh neat appearance to the garden. Be careful not to injure root vegetables like beets and carrots. Beans may be lightly cultivated until the flowers appear. Further cultivation may injure the roots and cause the flowers to drop.

FERTILIZER. General feeding with commercial fertilizer may be applied but composted manure is beneficial to the soil and produces the finest quality of fruits and vegetables.

Campbell's Planting Chart for the Home Vegetable Garden

Variety	Seed 100 ft.	Sow	Distance rows	Between plants	Cover Seed	Days to Ripen
Beans, bush	1 lb.	Mar.-Aug.	2-2½ ft.	3-4 in.	2 in.	45-60
Beans, pole	½ lb.	Mar.-July	3-4 ft.	12 in.	2 in.	50-75
Broccoli	¼ oz.	Aug.-Feb.	2-2½ ft.	16-20 in.	½ in.	100-130
Beets	2 oz.	All year	1½-2 ft.	3-4 in.	¾ in.	58-80
Cabbage	½ oz.	Sept.-May	2-2½ ft.	16-20 in.	½ in.	90-120
Cantaloupe	½ oz.	April-July	4-5 ft.	3-5 ft.	¾ in.	90-120
Carrot	1 oz.	All year	1½-2 ft.	2-3 in.	¾ in.	70-100
Celery	¾ oz.	All year	1½-2 ft.	4-5 in.	½ in.	120-150
Celutce	¾ oz.	All year	1½-2 ft.	12 in.	¼ in.	60-85
Corn	8 oz.	March-Aug.	30-42 in.	9-12 in.	2 in.	75-100
Cucumber	1 oz.	March-Aug.	4-5 ft.	1½-3 ft.	1 in.	60-90
Eggplant	1 oz.	April-June	3-4 ft.	3-3½ ft.	¼ in.	120
Endive	1 oz.	All year	1½-2 ft.	8-10 in.	¼ in.	90
Lettuce	½ oz.	All year	1½-2 ft.	½-1 ft.	¼ in.	60-90
Mustard	½ oz.	Feb.-May	1½-2 ft.	6-9 in.	¼ in.	60
Onion	½ oz.	Nov.-March	1½-2½ ft.	3-4 in.	¼ in.	140-180
Parsley	¼ oz.	All year	1-1½ ft.	3-6 in.	¼ in.	90
Peas	1 lb.	Sept.-March	2-3 ft.	1-2 in.	1½ in.	60-120
Pepper	¼ oz.	April-July	2½ ft.	2-2½ ft.	¼ in.	90-120
Radish	1 oz.	All year	1-1½ ft.	1-2 in.	¾ in.	21-36
Spinach	1 oz.	Sept.-March	1-2 ft.	5-6 in.	¾ in.	40-60
Squash, summer	2 oz.	March-Sept.	4-5 ft.	3 ft.	1 in.	60-75
Squash, winter	1 oz.	April-Aug.	6-8 ft.	5-6 ft.	1 in.	90-120
Swiss Chard	1 oz.	All year	1½-2 ft.	1 ft.	¾ in.	90
Tomato	¼ oz.	March-Sept.	3-4 ft.	3-4 ft.	¼ in.	60-90
Turnip	½ oz.	All year	1-2 ft.	3-7 in.	¼ in.	75-130
Watermelon	½ oz.	April-Aug.	8-10 ft.	8 ft.	1 in.	90-120

CAMPBELL'S SELECTED VARIETIES FOR THE 1943 VEGETABLE GARDEN

All Vegetable Pts. 10c, except where noted.

ARTICHOKE, Green Globe—Edible buds, large, green, and broad at base, attractive thistle-like foliage. Sow Sept. to April, 1 inch deep; save least spiny seedlings; set 4 ft. apart. Will bear in 2 or 3 years.

ASPARAGUS, Mary Washington—Excellent, rust resistant variety, producing early crops of heavy green shoots. Sow March to May; transplant in Feb.; use 2nd year.

BEANS—Sow April to July.

BUSH—Bountiful, early wax, very prolific, stringless.

Golden Wax, vigorous, stringless, brittle.

Stringless Green Pod, early, prolific.

POLE—Kentucky Wonder, fine flavor, rust resistant.

Kentucky Wonder White Seeded, excellent, 10 days earlier.

Kentucky Wonder Wax, very prolific, delicious.

Yard Long, curious, tasty.

BEANS, LIMA.

LUSH—Fordhook, fine quality, large, plump.

Henderson's Bush, Baby Lima, heavy bearer, beans small, delicious.

POLE, Challenger, 10 to 15 ft. vines, long pods of splendid quality, beans which stay green.

Pkts. 15c.

BEETS, Table—Sow January to December, all year in mild climates. Greens fine vitamin source.

Detroit Dark Red, One of finest beets for home gardens, symmetrical deep blood red.

Early Egyptian, For home and market garden, deep crimson, zoned, roots flattened globe-shaped, small fine tops.

BROCCOLI, Italian Green Sprouting—Early strain, large compact heads should be cut before flowers appear. Sow Aug. to Jan.

BRUSSELS SPROUTS, Long Island Improved—Dwarf plants producing quantities of small cabbage-like heads successively, fine flavor.

CABBAGE—Copenhagen Market, Early, round, solid, sweet, white.

Glory of Enkhuizen, Second early, very large, round heads.

Savoy, Solid, drumhead type, dark olive green late.

Danish Ball Head, Large, flattened globe heads, firm, splendid keeper, late.

New Large Red, Crisp, fine quality, late.

CHINESE CABBAGE—Chihili, Head 18 inches tall, very firm well blanched, crisp, tender, sweet. Very early and sure heading.

Wong Bok, Head 8-10 inches tall, broad, firm, tender, well blanched.

Sow Cabbage July to March.

CAULIFLOWER, Early Snowball, Dependable variety with early heads, good quality. Sow August to January. Pkt. 25c.

Winter Cauliflower, Firm-heading Broccoli-Cauliflower type, fine large white heads. Sow in summer. Pkt. 25c.



Cabbage, Copenhagen Market



Carrot, Imperator

CARROT—Chantenay, Red-orange, stump-rooted carrot, 5 to 6 inches long.

Danvers Half Long, Crisp, tender, bright orange, 6 to 7 inches long.

French Forcing, Earliest, small, red-orange carrot, fine flavor.

Imperator, Popular market and home variety, 8 inches long, stump rooted, cylindrical, deep orange. Sow Carrots any time.

CELERY — Golden Detroit, Self-blanching, compact, full hearted.

Utah, Early, green type, solid, with rich, nutty flavor.

CELERIAC—Globular-rooted celery, unusual, delicious.

CELTUCE—1942 introduction, combining qualities of both celery and lettuce. Leaves and stalk may be used either cooked or raw. Very hardy, rapid grower. Make succession plantings from April on. Pkt. 15c.

CHICORY—French Endive, One of most attractive salad vegetables. The blanched leaves have a tangy, mildly acid flavor; sow Oct. to May.

CHIVES—Small perennial of the Onion family, leaves used in flavoring salads, soups, stews. Has attractive pink flowers. Sow Aug.-April.

COLLARDS—Georgia, Non-heading greens of the Cabbage family, hardy, rich in vitamins. Sow Aug. to March.

CORN—Sow March to August; best planted in several rows for better pollination. **Golden Bantam Improved**, sweet, tender, 8 inch ears.

Golden Cross Bantam, Best hybrid, disease resistant, fine flavor.

Black Mexican, Kernels white at table stage, tender, rich, and sweet.

Country Gentleman, Small, deep, sweet kernels, long cob.

Oregon Evergreen, Fine, sweet, market variety.

Pop Corn, Golden Hulless.

Field Corns, Golden Dent, Hickory King.

CORN SALAD—Thrifty large growing, with thick leaves of mild flavor; use green or cooked.

QUANTITY PRICES QUOTED ON REQUEST



Onion, Yellow Sweet Spanish

CRESS—Curled or Pepper Grass. Quick growing, frilled, pungent leaves for salad or garnish. Sow any time.

CUCUMBER—Chicago Pickling, fine for pickling and slicing. Climbing. Fine quality, space saver.

Lemon. Superior quality for salads and pickling.

Long Green Improved, Fine home garden slicing variety, smooth, even.

Small Gherkin, True West India pickling strain, very prolific. 1½ to 2 inches long, oval. Sow Cucumbers March to July.

DANDELION—Improved Thick Leaved, Compact, rosette type, superior to uncultivated, blanches readily. Sow Jan. to April.

EGGPLANT—Improved Large Purple, Strong plants bearing many large, handsome fruits. Sow in hotbed Jan. to April.

ENDIVE (See also Chicory) Broad Leaved Batavian, or Escarole, Early, large heads, blanches readily, sow anytime.

Green Curled, Late, medium size, green-ribbed, sow anytime.

FENNEL—Bulb at base is eaten sliced raw or cooked, stalks and leaves also have a delicious, aromatic flavor. Sow Aug. to Feb.

KALE—Tall Green Curled Scotch, Deeply cut leaves, curled at the edges. Vitamin-rich green vegetable. Sow Aug. to April.

Dwarf Green Curled, for Greens and garnishing.

Jersey, Thousand headed, smooth leaves, prolific; for feeding poultry.

KOHL RABI; Early purple Vienna, Globular bulbs with white tender flesh; leaves green with purple veins. Sow Aug. to Feb.

LEEK; American Flag, Early, mild flavor, short thick stems, fine for flavoring salads and soups. Sow Aug. to Dec.

LETTUCE—Heading Varieties:

Los Angeles Market, (New York) Large dark green crisp heads, best all-purpose variety; sow anytime in mild climates.

Imperial D, Special strain resistant to blight.

Cosberg, New variety, medium size, good texture and flavor, withstands heat well, especially adapted to home gardens.

Bibb, New, early forcing variety, medium head, fine flavor.

Leaf Varieties:

Early Curled Simpson, Crisp, tender, broad leaves crumpled and frilled.

Prize Head, Very early, loose-leaf tender and sweet, outer leaves edged red, inner leaves wholly green, attractive in the salad bowl. Sow all these varieties all year in mild climates.

HERBS—For flavor, fragrance, and garden-ornament. Start in flats in the fall; transplant later to open ground.

Angelica; for delicate seasoning and ornament.

Anise; with fragrant, pungent seeds.

Basil; for flavoring from seeds and leaves.

Caraway; for seeds on cakes and candies.

Catnip; or Catmint, leaves for seasoning.

Chives; listed elsewhere.

Coriander; seeds used for flavoring in cakes and candies.

Dill; seeds used as condiment and in pickles.

Fennel; sweet seeds used in confections.

Lavender; flowers fragrant fresh or dried.

Marjoram; leaves and shoots used for flavoring.

Pennyroyal; leaves season puddings, etc.

Rosemary; leaves used for seasoning.

Rue; leaves used in medicine (good for fowls).

Saffron; used for coloring and flavoring.

Sage; leaves for seasoning meats and stuffings.

Summer Savory; for seasoning meats and sauces.

Thyme; for meat seasoning and medicines.

Wormwood; beneficial for poultry. All Pkts. 10c.

MELONS—Muskmelons:

Hale's Best, Thick salmon-orange flesh, sweet, aromatic flavor.

Resistant Strain 45, Fine quality fruit, mildew resistant.

Honey Dew, Very sweet, green flesh.

Persian, Flesh thick, bright orange; distinct delightful flavor if thoroughly ripened on the vines.

Tip Top, Profitable, popular melon for local markets, flesh salmon-yellow, very juicy, sweet, rich flavor.

Golden Beauty Casaba, Requires semi-tropical conditions for best development, large globular fruit, flesh very thick, white, juicy and sweet.

Watermelons:

Chilian, Black Seeded, Rather small, round melon, rind medium green, striped darker, flesh bright deep red, very sweet.

Klondike, Large, oblong dark green, flesh red, crisp, fine quality.

Klondike Striped, Light green with dark, rattlesnake striping, rind thin, tough, very popular for its crisp sweetness.

MUSTARD; Giant Southern Curled, Peppery leaves for greens. Sow anytime.

Mustard Spinach, Tendergreen, Valuable, heavily productive addition to our list of greens for the garden, nice flavor.



Pepper, California Wonder

QUANTITY PRICES QUOTED ON REQUEST



Tomato, Earliana

OKRA (Gumbo) Pods used in soups, salads, stews, and relishes. Sow April to July.

Dwarf Long Green Pod, Pods tender, 7 to 8 inches long, plants 2½ ft.

Perkins Mammoth Pod, Pods fleshy, ribbed, and tapered, plants 4 to 5 ft.

White Velvet, 6 to 7 inch pods, white, tender, smooth, plants 3 ft.

ONION; Bunching, Tender, garden variety of young, green onion.

Red Wethersfield, Standard late variety of splendid keeping qualities, excellent for sets and mature bulbs.

Southport White Globe, Fine quality, fairly mild onion, clear white.

Yellow Bermuda, One of most widely used varieties, early flat onion, light, straw-colored skin, mild white flesh.

Yellow Sweet Spanish, Large, mild, amber, fine keeper.

Long Red Italian, Sweet, juicy, used raw in salads and sandwiches.

Sow Onions August to April. Pkts. 15c.

PARSLEY—Extra Triple Curled, Compact, fine for flavoring and garnish.

Hamburg, Thick parsnip-like roots for flavoring.

Plain, Leaves for flavoring.

PARSNIP; Hollow Crown, Sweet flavor, needs rich soil and plenty of water. Sow August to March.



Spinach, Dark Green, Prickly Seeded



Radish, Early Scarlet Globe

PEAS; Dwarf, Laxton's Progress, Early, long pods, prolific.

Giant Stride, Later variety, vigorous, long full pods.

Tall; Alderman (Improved Telephone), Medium early, sweet wrinkled peas.

Melting Sugar or **Edible Pod**, Cook whole pods when peas are half developed, delicious. Sow Sept. to Feb. Pkts. 15c.

PEPPER; California Wonder, Sweet, large fruits, green when young turning bright red, very productive over long season.

Pimiento, Thick, sweet flesh of splendid flavor, heartshaped, fine for canning; deep green turning deep red.

Anaheim Chili, Mildly hot and pungent, popular for drying and canning.

Floral Gem, Small, hot, for sauces and pickling, green, white, and red. Sow peppers in hot beds Jan. to April.

PUMPKIN—Connecticut Field, Very large, for pies, canning, and stock.

New England Pie (Sugar), Earliest and best for pies. Sow March to July.

RADISH—Early Scarlet Globe, Small, sweet, crisp.

French Breakfast, Small, olive-shaped, fine flavor, forcing type.

Icicle, Best early white, crisp and mild.

Scarlet Turnip, White Tipped, Handsome rosy carmine, good keeper.

Winter Varieties, Chinese White Winter, Crisp and mild, 8 inches long.

Round Black Spanish, Skin black, flesh white, crisp, pungent, good keeper.

Sow winter varieties July and August, others anytime.

SALSIFY (Vegetable Oyster), Sow in spring and dig in fall and winter.

SPINACH—Dark Green Prickly Seeded, Best winter variety for garden and canning, large crisp leaves.

Giant Thick Leaved, Best warm weather sort, enormous yield, large, tender.

New Zealand—Vine type; the small, thick, dark green leaves may be gathered repeatedly without pulling the vines. Sow Sept. to March.

SQUASH—Summer:

Early Green Bush Scallop, Popular, small, keeps its light green color longer than other varieties.

Early White Bush Scallop, Larger fruits, smooth and tender.

Yellow Crookneck, Rich in color and flavor.

Yellow Straightneck, Like Crookneck, but more practical for shipping and paring.

Winter:

Banana, Pinkish orange flesh, sweet, rich flavor.

Hubbard, Best winter keeper, flesh deep yellow, very smooth and fine grain.

Table Queen, Popular Home variety, small, acorn shaped, fine flavored.

Sow in spring and summer.

QUANTITY PRICES QUOTED ON REQUEST



Sow the SEED OF FREEDOM . . . Plant a VICTORY GARDEN

Our fighting forces and those of our allies require great quantities of food. To supply only a part, taxes to capacity the farmers, produce growers, and railroads. It is up to us to help in all ways possible to meet these requirements. We are doing our part in supplying the finest seeds we can buy. Do your part by growing as many vegetables as you can for home use and preserve the surplus. The home garden can supply your family with fresh crisp vegetables the year around.

SWISS CHARD—Large Ribbed Dark Green, Leaves for greens, leaf stalk good asparagus substitute.

Lucullus, Very choice "greens", richly colored, fine ribbed. Sow Jan. to Sept., any time in mild climates.

Rhubarb Chard, Looks like small-leaved Rhubarb, delicious cooked, striking in garden and flower arrangements, grows quickly, continues for several months, new. Pkt. 15c.

TOMATO—Earliana, Very superior in earliness and quality, deep scarlet, firm and smooth.

Golden Ponderosa, Attractive, large, delicious yellow fruited Tomato.

Marglobe Supreme, Fine all-around variety, large, round, smooth fruit, thrifty, productive, disease resistant plants.

Norton Stone, Deep scarlet, large, flat but smooth, disease resistant, fine flavor, very productive.

Pan America, New government development, superior in quality, firmness, resistance, and productivity, especially adapted to eastern climate.

Pearson Improved, New, scarlet medium size, smooth, thick skinned; for canning and shipping; vine compact.

Ponderosa (Beefsteak), Large, mild flavored, deep pink.

Rutgers, One of heaviest croppers, fine quality, medium large, splendid for canning and juice.

Trip-L-Crop Climbing, New, space-saving Tomato, producing quantities of good size, rich red fruit in clusters; vines 10 to 12 ft. tall.

Small Sorts for Salads and Preserving:

Red Cherry, Small, round, deep red.

Yellow Pear, 2 inch, sweet, pear-shaped fruit, long season.

Yellow Husk or Ground Cherry, yellow-green in husks, rich sweet flavor, prized for preserves and pies.

Sow January to March in hotbeds, outside in April. Pkts. 15c.

TURNIP—Purple Top White Globe, Fine table variety.

Seven Top, For greens.

Snowball, Sweet, fine-grained white.

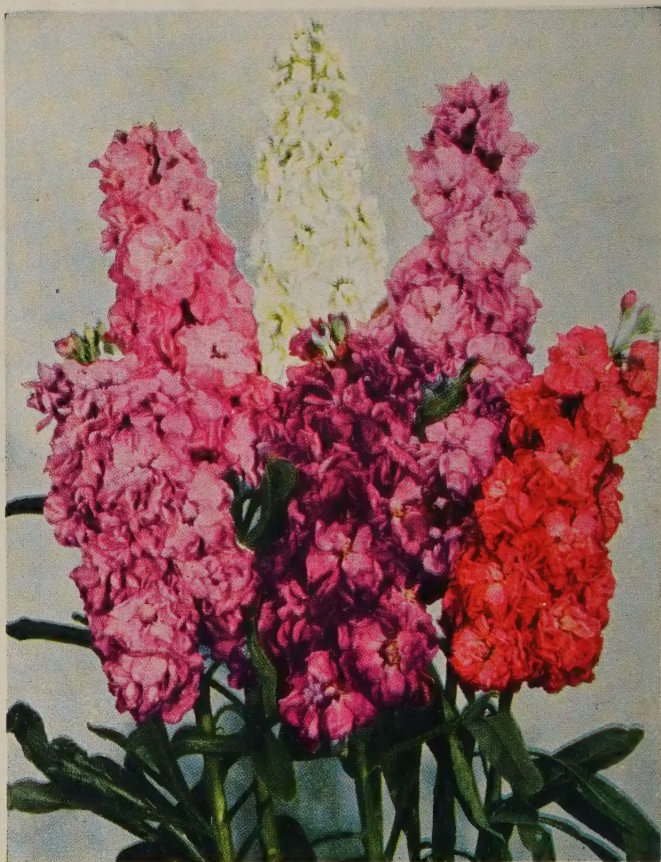
Orange Jelly, Best yellow.

Rutabaga, Yellow, Swedish Turnip, large, mild, sweet.

Sow September to March. Pkts. 10c.

QUANTITY PRICES QUOTED ON REQUEST

CAMPBELL SEED STORE, 137 West Colorado Street, Pasadena, California



STOCKS, GIANT IMPERIAL See page 25.

Advanced Gardeners

Test your skill with these five varieties.

Known to be difficult to grow and flower from seed, the following plants will well repay your efforts in fine plants for pot culture.

CLIANTHUS dampieri, Glory Pea. Per. kly-an'-thus.

Red flowers with black spots, on gray-leaved plant; 2 feet sow January to April. Requires good drainage at all times. Sow in warm, sandy soil. Pkt. 15c.

GLOXINIA RELATIVES

Cultural Note: Use compost of leaf-mold, peat, loam, and sharp sand, well-moistened but not wet. Sow on surface, and barely cover with fine, same mixture sifted over and pressed down. Water from below whenever surface shows any dryness. Keep shaded, and temperature even with a pane of glass. Gloxinia are best watered from below, to avoid rot at the leaf-axils, even when potted-off permanently.

GESNERIA robusta perfecta. gess-nee'-ri-a.

Red, orange, and pink tubular flowers on a tender pot plant with attractive soft leaves; 1½ feet; sow in greenhouse anytime. **Hybrids Mixed.** Pkt. 50c.

GLOXINIA hybrida grandiflora. Per. Sinningia.

Rich red, pink, blue, and white, huge velvety flowers best in pots in semi-shade; 1 foot; sow under glass anytime. Sowings made January to April will flower the same summer. **Campbell's Giant Mixture.** Pkt. 50c.

SAINTPAULIA ionantha, African Violet. Per.

Deep blue, golden anthers; free and long-flowering pot plant; 6 inches; sow anytime, under glass. Pkt. 35c.

STREPTOCARPUS. Per. strep-toh-karp'-us.

Shades of blue, lavender, rose, and white trumpet-shaped flowers on handsome pot plants in seven months from seed; sow November to March. **Large-flowered Hybrids Mixed.** Pkt. 35c.

SHOP BY MAIL OR PHONE AT CAMPBELL'S